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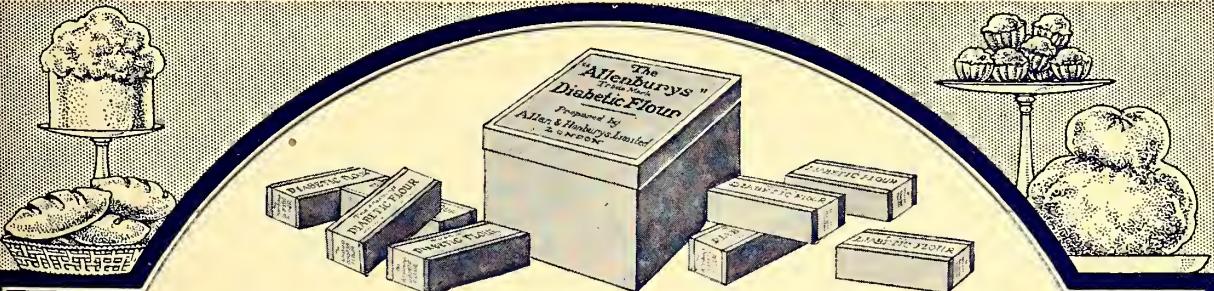
Vol. CII.



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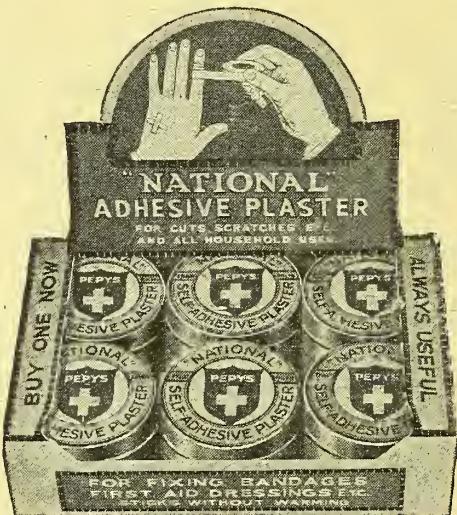
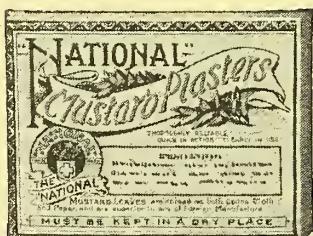
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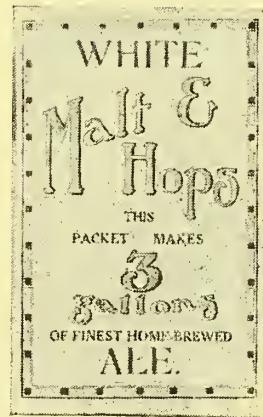
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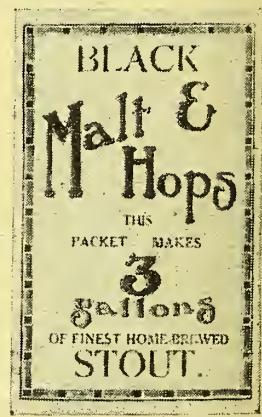
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“CORNOL”

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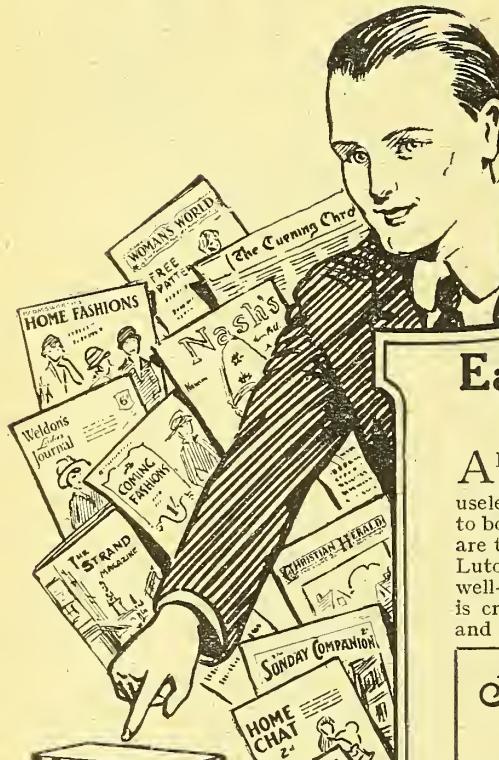
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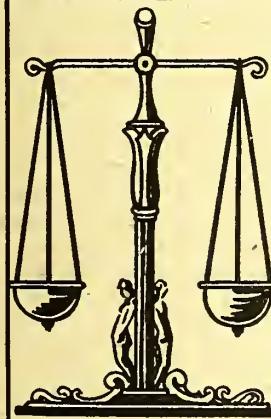
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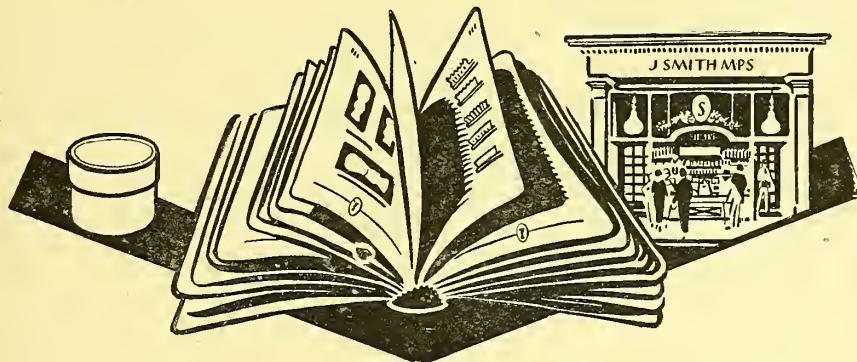
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Maw's Page



From A Pill Box to A Pharmacy

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From a pill box to the fitting of a pharmacy, from a test tube to a ton of cotton wool, there is scarcely an article you sell or use in connection with your business with the exception of drugs, which Maw's cannot supply. The scope of the House of Maw is as wide as the scope of pharmacy.

And when you buy from Maw's you know that the goods you sell will give satisfaction to your customers and produce repeat orders. You are sure that you are buying at the lowest possible price consistent with reliable quality. You know that the goods you offer for sale cannot be offered by outside competitors.

Make a habit of consulting Maw's list whenever you are thinking of spending money. Keep it on the shelf alongside with your order book and write your orders always with its help. It will pay you to do so, both in immediate profits and ultimate prosperity.

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.



"BERINA" FOOD and BERINA MALTED MILK



Montgomerie & Co., Ltd., proprietors of the well-known "Bermaline" Bread, after careful research have succeeded in perfecting foods for infants, invalids and convalescents. These foods are "BERINA" INFANT FOOD and "BERINA" MALTED MILK.

"BERINA" Food is specially prepared for infants' use, and is a nourishing diet for invalids and the aged. The Malted Milk forms a splendid diet for children from a few months old, and for all who need a wholesome, appetising and very digestible food.

The makers of "BERINA" have overcome the difficulty of preparing foods which are nourishing without being a tax on the digestion, and an entirely new process of manufacture preserves the valuable properties of the ingredients while making them easy to absorb by the most tender digestive organs. Each ingredient contributes its quota of food value, flavour and digestibility, in just the right proportion to form a well-balanced diet.

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MONTGOMERIE & CO., LTD. (Proprietors of "Berina"), Ibrox, Glasgow, will be glad to send free samples of the "Berina" Foods to Chemists on receipt of postcard.

The Proprietors wish these Foods to be established on their merits and not through extravagant claims and press advertising.



This Showcard—designed for us by a well-known "PUNCH" Artist is given free with orders of 1 doz. "Montserrat" pulpy Lemon Squash is the pure natural juice of the finest Lemons, and is unequalled in flavour.

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and SKIN
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Bottles 2/6, 20/- " "

Attractive advertising matter
supplied on application.

SOLD EVERYWHERE.

Manufactured by

**LOFTHOUSE & SALTMER LTD.
HULL**

D^r. HALE'S
VIN-SANGUIS
WINE FOR THE BLOOD

Fountain of Health

If you have a
Wine License we
will pay the fee.

If not, get one,
we will pay.

Send for any

You agree to display
"Vin Sanguis" always.
You give us an
agreed initial order.
You always keep stock

further particulars



PROPRIETORS OF
DR. HALE'S VIN-SANGUIS

Transcontinental Agencies Ltd.
14, Southampton St., London, W.C.2

MADE WITH OLD DOURO PORT



Saint-Raphael

Tonic, Restorative,
Digestive Wine.

Known throughout the World,
and prescribed in all cases of
ANÆMIA, DEBILITY, and CON-
VALESCENCE, to Young Women,
Children and the Aged.

DOSE : One wine-glass after the
two principal meals.

Recommended by—
PROF. BOUCHARDAT, Professor of
Hygiene, Paris Faculty of Medicine,
DR. MACNAUGHTON JONES, London,
England.

" For more than thirty years St. Raphaël Wine has been
exclusively prescribed, with success, in the Paris-hospitals
as a pure tonic, by eminent physicians, such as Magendie,
Roston Chomel, Velpeau, Requin, Monnret, Trouseau,
Grisolle, Laennec, &c." —*Union Médicale*, May 8 and
June 12, 1873.

" The 'Vin de St. Raphaël' is often used for ladies
nursing their own children; it is preferable to stout, which
creates an unhealthy fat." —*The Lancet*, London, England.

" St. Raphaël Wine is most precious in all cases where
it is necessary to give tone to the system, without effort
or shock." —DR. C. DES BARRES.

**Cie du VIN SAINT RAPHAEL, Valence, Drome,
FRANCE**

To be obtained from all
Wholesale Druggists.

Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM
AND PROTECTED PRICES.

Food for Babies, Prepared Barley,
N.F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE

We issue a list of WHOLESALE HOUSES who keep above in
stock, if for any reason you have difficulty in obtaining
supplies, please send postcard direct to us and a list will be
sent to you by return.

NATURAL FOOD COMPANY Ltd.,
Cambridge Road, Bethnal Green, London, E.

All advertising matter—Booklets, Window
Displays, Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon
the Price List we issue to the trade, and we are pleased to
exchange any article which may be out of condition.

NURSE HARVEY'S MIXTURE

A safe, simple, and reliable remedy for Children's
Ailments is advertised so extensively in the daily
and weekly Press as to bring mothers to the
retailer without effort on his part.

The selling has been done before the mother
reaches the chemist, and, having supplied her, it is
only common sense to claim she will buy other
family necessaries from him. Moreover, the con-
tinuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

ALFRED BISHOP, LIMITED

BISHOP'S NATURAL FRUIT SALINE

IS

A QUICK SELLER



DOES NOT CONTAIN
SUGAR

Makes an attractive Window
Show, for which special
terms are given.

P.A.T.A. 2/3

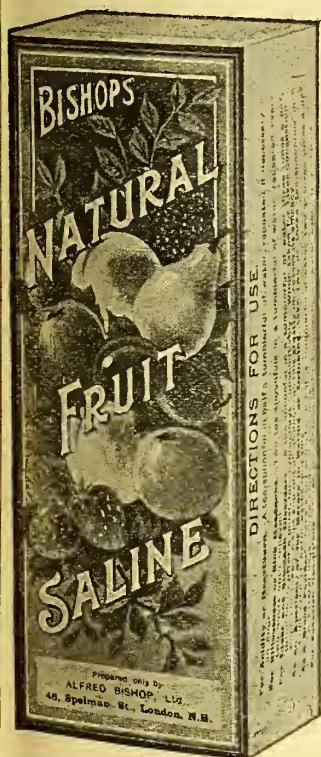
The BEST in the WORLD

IT PAYS to SELL BISHOP'S

48 SPELMAN ST.
LONDON, E.1



The Sign of
SCIENTIFIC
EXCELLENCE



ARE your stocks of Salines, Citrate of Magnesia and other seasonable lines sufficient to meet the inevitable demand that will come with the advent of the first warm spell? Now is the time to order. We are actual makers of effervescent granular preparations. Special quotations for large quantity buyers.

We welcome your enquiries.

EFFERVESCENT SALINE (granular or fine powder) in bulk or packed in decorated tins, and bottles with various artistic wrappers.

CITRATE OF MAGNESIA Bulk, or packed in Kali bottles. Choice of various labels.

SEIDLITZ POWDERS Guaranteed hand weighed, and made from Howard's Seidlitz only.

PRO-SPA-QUA (EFFERVESCENT) CARLSBAD POWDER

Contains no sugar. The speciality to push for gout, rheumatism, etc. Bold packing.

Send for New Illustrated Catalogue.

ROBERT BLACKIE

(Sole Manufacturer and Proprietor of the World-famed "SPUN" OINTMENTS)

Shen Works, Tower Bridge Road, London, S.E.1.

'Phone: HOP 2415.

Telegrams: "USHENSPUNA," LONDON.

CAMWAL

TABLE WATERS - - in Syphons & Bottles

LEMONADE POWDER - - in Packets, Cartons, and Canisters.

AQUAPERIA WATER or SALTS (P.A.T.A.) - - **WINDOW DISPLAYS.**

LEMON SQUASH - - in 26 oz. Bottles. (with plain or Soda water forms a delicious drink).

HOME and EXPORT PRICES and TERMS on application.

CAMWAL, Ltd. LONDON, MANCHESTER, BRISTOL, BIRMINGHAM, HARROGATE.

City Office: 52 Queen Victoria Street, LONDON, E.C.4

'Phone: City 4497.

A GOOD PROFIT ENSURED.

RASPBERRY VINEGAR.

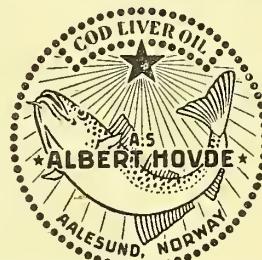
THE PUREST MADE.

In Fancy White Glass Bottles, 3 oz., 10 oz. & 20 oz. Imperial Measure.

Write for prices, etc., to:

GRIMBLE & CO., LTD. CUMBERLAND MARKET - - - N.W.1.

NORWEGIAN COD LIVER OIL



FINEST STEAM REFINED, NON-FREEZING LOFOTEN, MEDICINAL.

Stocks in London, Liverpool, Hull, Glasgow.

ALBERT HOVDE, Ltd., Aalesund, Norway.

Established 1882.

Manufacturers and Exporters.

Factories in Lofoten.

Sole Selling Agents for U.K.:

O. MURRAY & CO. Ltd. 69/70 Mark Lane, London, E.C.3.

Telephone: Royal 3511.

Telegrams: "Omy, Fen, London."



It pays to SPECIALISE in

*"Mineral,
Spring"*

THE CHEMIST'S OWN
EFFERVESCIBLE

REPEAT sales of "Mineral Spring" come to you. Those of any other advertised saline may go to the grocer. "Mineral Spring" is not supplied to grocers or miscellaneous dealers. It is essentially a pharmaceutical product which will well repay your special interest. Therefore, display it prominently. Recommend with confidence. Order now for the coming season and let us send you the 1925 display material.

TRADE TERMS

1/- size 8/- dozen.

2/- size 16/- dozen.

One gross orders (assorted if desired)
7/9 dozen & 15/6 dozen respectively.



Kerfoot Quality is Chemists' Quality

THOMAS KERFOOT & CO LTD,
BARDSTON VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

COPYRIGHT

PLAIMAR[®]

SANDALWOOD OIL PRICES REDUCED

"PLAIMAR" OIL is always better than its guarantee of 90%

Write to us for quotations:

PLAISTOWE & CO., LTD.
KING'S CROSS, LONDON: & PARIS

Telephone - - - - - North 829 (3 lines)
Telegrams - - - - - Plaistowe, Kinross, London
Cables - - - - - Plaistowe, London

Telegrams: "ESSYNTHET, LONDON."

Telephone: ROYAL 290.

ESSENCES & SYNTHETICS, LTD.

4 Carlisle Avenue, Fenchurch Street
LONDON, E.C.3



WILLIAM C. SLATER, Managing Director.



OTTO of ROSE—BOTU PAPPAGLIOU & Cie.

We are carrying London Stocks of our Principal's brands:—

"OWN DISTILLATION" AND SUPERFINE CACHET OR

Each of these qualities, in its own class, has stood the test of time. Whether by chemical analysis or the odour test these qualities stand out pre-eminently the finest obtainable.

We shall be pleased to send samples.

E. SACHSSE & CO.
LEIPZIG GERMANY

Manufacturers & Distillers of
**TERPENE & SESQUITERPENE
FREE OILS (T.S.F.)**
ALL B.P. ESSENTIAL OILS
FLOWER OILS
COMPOUND PERFUMES
ORRIS OIL PRODUCTS, ETC.

WRITE FOR PRICE LIST AND SAMPLES.

Sole Agents U.K.:

T. HARRISON & CO.
BURNLEY HOUSE, WILLESDEN, N.W.10.
IMPORTERS OF DRUGS, CHEMICALS,
ESSENTIAL OILS, ETC.

Telephone: Willesden 731.

Telegrams: "Arismucha, Willroad, London."

STOCKS IN LONDON.

Beetham's

*Lait Larola
Larola Rose Bloom
Glycerine & Cucumber*

ALL PROTECTED AT FACE VALUE

M. Beetham & Son.
CHELTENHAM.

We invite your enquiries for

ESSENTIAL OILS

BERGAMOT, Extra

GERANIUM

Twice rectified on Rose Leaves
Rose de Cannes
French
African
Bourbon

LAVENDER

Mt. Authion
Aux Fleurs
Mt. Blanc
Ordinary
Spike, Extra

NEROLI

Bigarade Petales Extra
Bigarade
Superfine.

ROSE OTTO

French
Bulgarian

Almonds	Pennyroyal
Aniseed	Peppermint
Cajuput	Petit Grain
Cinnamon	Pine, Sylvestris
Citronella	Portugal
Cloves	Rosemary
Eucalyptus	Santal Ang.
Juniper Bacc.	Sassafras
Juniper Lig.	Thyme
Lemongrass	Verbena
Lemon Extra	Ylang Ylang
Orris Root, Concrete	

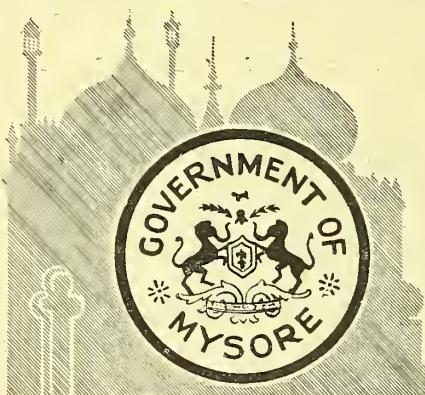
SPURWAY ET CIE., Ltd.

ESTABLISHED 1825.

89 Great Eastern Street, London, E.C.2

Factories & Distilleries: Cannes-Grasse, France

PARIS NEW YORK LEIPSIC
KINGSTON, Ontario.



*Mysore Government Seal
is your guarantee that
the Oil is the finest in
the World*

EAST INDIAN SANDALWOOD OIL

Sole European Distributors :
ESSENFLOUR PRODUCTS LTD.

"Perfume House" 6, 7 & 8 BEAUCHAMP STREET, LONDON, E.C.1

Telephone: HOI,BORN 2499, 6214, 6215 (3 lines).

Telegrams: "EKDUM, LONDON."

DODGE & OLCOTT CO.,

20 MARK LANE,
LONDON, E.C.3.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT,
SASSAFRAS, ETC.

BALSAMS of Copaiba, Peru, Tolu.
TONKA BEANS, Angosturas.

Phone—
ROYAL 3843.

Telegrams—
"EGDARF, FEN, LONDON."

If you want to meet Competition
Read this Announcement!!

R. F. WHITE
& CO., Ltd.

34 Victoria St.,
S.W.1.

A SUPERFINE TOILET SOAP—20/- per gross

2½ oz. Tablets. 3 doz. Boxes. Assorted Perfumes
Free Cases. 2 Gross Carriage Paid

Write to the NON-COMBINE HOUSE for a free sample.

Coty at Hampstead



A FINE DISPLAY

BY

T. H. BATEMAN & CO.

Coty preparations are of themselves so beautiful that there is no need for elaborate and costly backgrounds and other display aids.

The Coty window illustrated is the more attractive because of its simplicity. Messrs. T. H. Bateman & Co., Ltd., prominent Hampstead chemists, have made this fine display and there is no doubt at all that they are finding it as profitable as it is pleasing. Much valuable Coty custom can be attracted to your establishment by a similar display. We are willing to help you provided you are interested sufficiently to make such an effort mutually profitable. If you would care to discuss the matter with our representative write us a card.

Are you securing Your share

of the substantial volume of Trade which is already being experienced in

Rimmel's Crème Marimon

by the demand-creating Advertising Campaign now proceeding in the columns of the London *Daily Mirror* and the leading Illustrated Weeklies?

If not—**you are losing a valuable opportunity.**

Order your supplies quickly.



Each order executed is accompanied by a neat little bracket for showing the bottle.

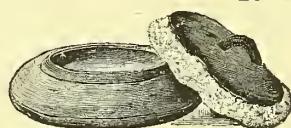
The cost is 60/- per dozen, less usual discount.

We have special "display" terms if you will kindly write for them.

Eugène Rimmel
Laboratories Ltd
1a DARNLEY ROAD, LONDON, E.9.
and at PARIS

THE NEW IMPROVED "LAMPUF" MODEL L.P. 7

IS NOW MADE IN REAL LEATHER



MODEL L.P. 7

RETAIL PRICE **2/6** EACH COMPLETE



REFILLS.
Retail, 6d. Each.

THE PERFECT LAMBSWOOL POWDER PUFF

(MANUFACTURED UNDER THE MOUSLEY PATENTS.)

NEXT SIZE LARGER THAN MODEL L.P. 14

Sell these Puffs and you immediately have a further continuous demand for the

PATENT FLEXIBLE POWDER REFILLS

Write for particulars to *Sole Concessionnaires for Gt. Britain and Ireland:*

"Beaverpuf" Ltd.

Telephone: PUTNEY 166.

PRIEST BRIDGE,
MORTLAKE,
LONDON, S.W.14

Telegrams: BEAVERPUF, PUTNEY 166

"It's one of my beliefs"
says the Master Barber

that good shaving is twenty per cent skill, thirty per cent razor, and fifty per cent lather.

You do not need the sure skill of the surgeon to amputate a beard, nor is it absolutely necessary for your razor to be the best obtainable. But smooth shaving is utterly impossible unless the soap is satisfactory.

Vinolia Shaving Stick produces the lather that is exactly right.

In aluminium cases 1/3
Refills in cartons 1/-

Vinolia
SHAVING SOAP
SOOTHES THE SKIN

VINOLIA TOOTHPASTE
The new toothpaste
which is the result of a
long series of experiments
in which the best
possible results have been
achieved.

"The world seems brighter after a good shave"
says the Master Barber

"especially after a shave with Vinolia Shaving Cream. There is no other shaving preparation which produces such an abundance of lather or which softens the beard and soothes the skin so effectively."

In tubes 1/6

Vinolia
SHAVING CREAM
THE RAVEN GUIDE

Advertisements seen by thousands —

are bound to result in sales, especially for those who display the product advertised. Vinolia Shaving Soap is the whitest ever known. The domed top, which involves no reduction in weight, means smoothness from the first shave. There are varieties to suit all tastes and pockets. There is the 6d Shaving Cake, and the 7½d Premier Stick; there is the stick in the decorated tin and refill, for the 1/- market; the 1/3 cartoned aluminium case, for those who desire something better—and, finally, the 1/6 tube and 2/6 pot of Shaving Cream, for the most luxurious. The average profit on outlay on all of the foregoing, when bought on best terms, is 64%. It therefore pays to show and recommend

Vinolia
SHAVING SOAP
VINOLIA CO. LTD., BLACKFRIARS, LONDON, E.C.4

EDWARDS & GRITTON

MANUFACTURERS OF PHARMACEUTICAL, MEDICAL & TOILET SPECIALITIES.

PROFIT!

A full range of standard products showing 100% on cost.

QUALITY THAT HAS MADE OUR REPUTATION, AND WHICH WILL MAINTAIN YOURS.

Prices that are the lowest in the Trade; and Value that will ensure repeat orders for you and ourselves.

The prices below indicate our service, and a postcard or telephone call will bring you any special quotation you require.

— Ask for a copy of our full list. —

TOILET PREPARATIONS.

BAY RUM 3 oz. 3/-; 4 oz. 4/-; 6 oz. 5/- per doz.
BRILLIANTINE 1½ oz. 2/9; 2 oz. 3/6; 3 oz. 4/-; 4 oz. 5/- per doz.
HAIR FIXING CREAM .. 3 oz. 3/-; 4 oz. 4/-; 6 oz. 5/- per doz.
SOLID BRILLIANTINE 2/9 per doz.—Oval Tins

PHARMACEUTICAL PRODUCTS.

LIQUID PARAFFIN B.P. (S.G. 895/90) 3 oz. 4/3; 6 oz. 7/-; per doz.

SYRUP OF FIGS. "The Ideal Laxative." 3 oz. 4/6; 6 oz. 7/6; per doz.

COMPRESSED TABLETS—

ASPIRIN, gr. 5 25's 2/9; 50's 4/6 per doz.

CASCARA, gr. 2 25's 2/9; 50's 4/6 "

AMMONIATED QUININE, 1 dr. 25's 5/- "

FORMALIN THROAT TABLETS 50's 4/6 "

LYSOL. 50% Phenols guaranteed. BRITISH.

4 oz. bottles 4/- per doz.; 8 oz. bottles 7/6 per doz.

All bottles in cartons.

Packed in dozens.

Packages free.

Carriage paid on orders of 30/- and upwards.

Special Terms to Wholesalers and Shippers.

ANCONA WORKS, PLUMSTEAD HIGH STREET, LONDON, S.E.18

Telephone: Woolwich 804.

Telegrams: "Edwagritt-Wol. London."

VISIT US AT WEMBLEY. Stand A33 Chemical Hall.

POMADES. LIP SALVES. SWELLING SALTS. SHAMPOOS.

TOILET PARAFFIN.
VANISHING CREAMS.

SOLID BRILLIANTINES

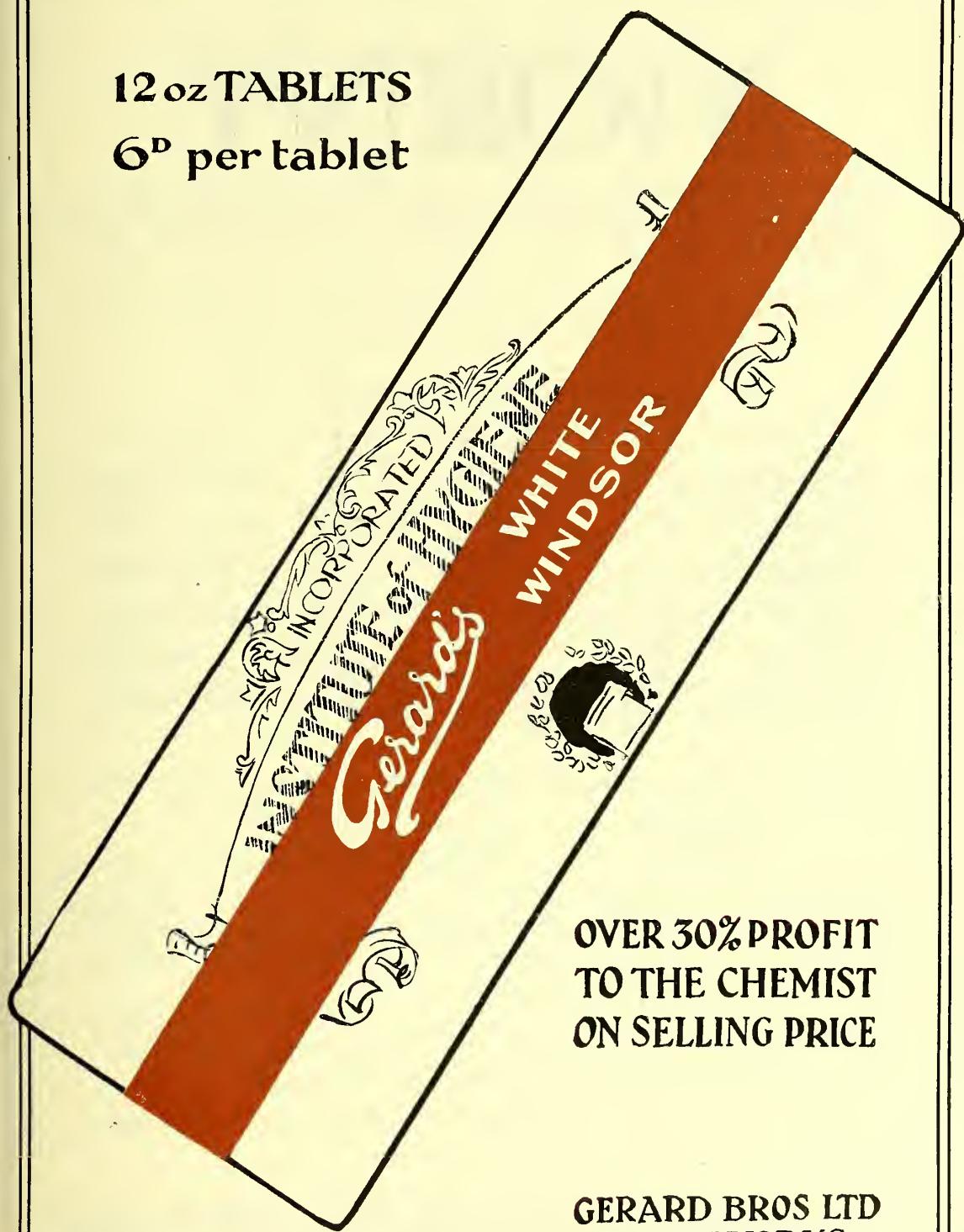
CAMPHOR TABLETS.
EUCALYPTUS OIL.

PETROLEUM JELLIES.

SULPHUR TABLETS.
CASTOR OIL.

TOILET SOAPS.
HEALTH SALTS.
CHEMICAL FOOD.

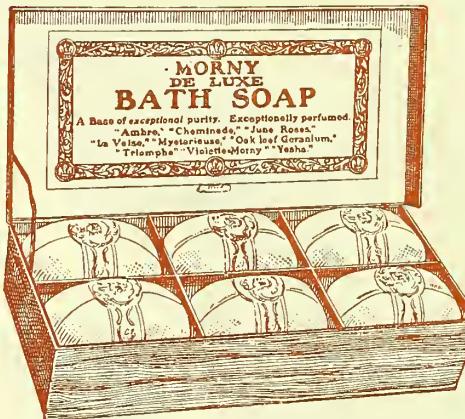
12 oz TABLETS
6^d per tablet



GERARD BROS LTD
SOAP WORKS
NOTTINGHAM

MORNY BATH SOAPS DE LUXE

Perfumed
"CHAMINADE"
"JUNE ROSES"
"SÉRÉNADE"
"YESHA"
**"NUIT DE
CARNAVAL"**



Perfumed
"MYSTÉRIEUSE"
"LA VALSE"
"NOCTURNE"
**"VIOLETTE-
MORNY"**
"FANTAISIE"
 &c.

IN CARTONS OF THREE OR SIX MAMMOTH SIZE (7oz.) OVAL TABLETS.

Retailing - 2/- per tablet
 Wholesale - 16/- per dozen tablets

The MORNY de Luxe quality Bath Soaps are recognised by discriminating buyers as the last word in Soap Specialisation, and are particularly appreciated for their exquisitely original and lasting perfumes.

The Morny Fine Perfumery Products are an adornment to the Highest Class Retail Establishment and attract the best type of Customer.

EXTENSIVELY ADVERTISED IN THE PRESS.

Artistic Show Cards and Descriptive Pamphlets on request.

Apply for Terms and Prices to—

MORNY FRÈRES, LIMITED **6** NEW BURLINGTON STREET, LONDON, W.1

MORNY

BATH SOAPS DE LUXE

“WEEK-END” TABLETS

Perfumed
 “CHAMINADE”
 “JUNE ROSES”
 “SÉRÉNADE”
 “YESHA”
 “NUIT DE
 CARNAVAL”



Perfumed
 “MYSTÉRIEUSE”
 “LA VALSE”
 “NOCTURNE”
 “VIOLETTE-
 MORNY”
 “FANTAISIE” &c.

IN CARTONS CONTAINING 12 “WEEK-END” TABLETS,
 ALL ONE PERFUME, OR ASSORTED IN 12 ODOURS.

Retailing - - - - - 7/6 per box of 12 tablets
 Wholesale - - - - - 60/- per dozen Cartons

£2 nett orders for Bath Soaps de Luxe delivered packing and carriage free in U.K.

The Morny Fine Perfumery Products are an adornment to the Highest Class Retail Establishment and attract the best type of Customer.

EXTENSIVELY ADVERTISED IN THE PRESS.

Artistic Show Cards and Descriptive Pamphlets on request.

Apply for Terms and Prices to—

MORNY FRÈRES, **6** NEW BURLINGTON
 LIMITED STREET, LONDON, W.1



PYRETIC SALINE

For Popular Demand

WE HAVE NOW INTRODUCED

a smaller size of
Lamplough's Saline

SELLING AT

1/6

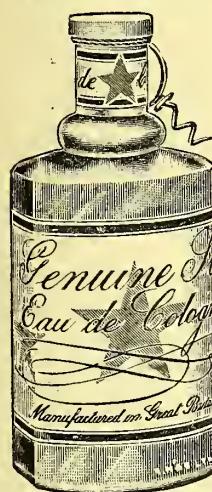
This will be largely advertised. It will pay you to have some in stock, to avoid disappointment to your customers and to increase the profit to yourself.

**May we post you a
bottle free of charge ?**

THE LAMPLOUGH SALINE CO.
164 Piccadilly, LONDON, W.

HOVENDEN'S PURE SPIRIT COLOGNE

Silver Star



Silver and Black Label.

No. 4769.	1 oz. (about)	19/- 6 doz.
.. 4770. 2	"	34/- "
.. 4771. 4	"	59/- "

Three Star



No. 1569.	1 oz. (about)	16/- 6 doz.
.. 1496. 2	"	29/- 6 "
.. 1497. 4	"	55/- "

Four Star



Extra Fine Quality.

No. 4706.	2 oz. (about)	50/- doz.
.. 4707. 4	"	93/- "

DOUBLE

DISTILLED

EAU DE COLOGNE



In bulk.

1 lb.	..	..	24/- lb.
1/2 "	..	..	23/- "
1 "	..	..	22/- "

FOUR-STAR
EAU DE COLOGNE
Extra Quality

In bulk.

1 lb.	..	..	36/- lb.
1/2 "	..	..	35/- "
1 "	..	..	34/- "



R. HOVENDEN & SONS, LTD.

89, 91, 93 and 95 CITY ROAD, FINSBURY, E.C.1. Tel.: Clerkenwell 7601, 7602, 7603 (3 lines).

29, 30, 31, 32 and 33 BERNERS STREET, OXFORD STREET, W.1. Tel.: Museum 2810 (3 lines).

Factory: 41 to 53 BRITANNIA ROW, ISLINGTON, N.1.

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Toilet Specialties.

	Price per doz.	Selling Price to Retailer P.A.T.A.
PILENTA SOAP	10/-	1/-
A complexion soap.		
PROLACTUM	10/-	1/-
For the lips.		
PARSIDIUM JELLY	10/-	1/-
For wrinkles.		
ALLACITE OF ORANGE		
BLOSSOM	22/6	2/6
A dressing cream.		
BORANIUM	22/6	2/6
A hair tonic.		
CLEMINITE	22/6	2/6
For a face lotion.		
COLLIANDUM	22/6	2/6
For a face tint.		
PERGOL	22/6	2/6
A deodorant.		
TEKKO PASTE	22/6	2/6
Camphor cream.		
STALLAX	22/6	2/6
For a shampoo.		
JETTALINE	31/6	3/6
For clearing the skin.		
PHEMINOL	36/-	4/-
A depilatory.		
MENNALINE	36/-	4/-
For the eyelashes.		
MERCOLIZED WAX	18/- (31/6)	2/- 3/6
A face cream.		
STYMOL	36/-	4/-
For oily complexions and blackheads.		
SILMERINE	22/6	2/6
Hair-curling fluid.		
BARSYDE	22/6	2/6
Dandruff eradicator.		
TAMMALITE	22/6	2/6
For grey and faded hair.		
LIQUID PERGOL	31/6	3/6
To check excessive perspiration locally.		
BICROLIUM	22/6	2/6
For whitening the hands.		
COCONOIDS	31/6	3/6
For figure development.		

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES	36/- (58/6)	4/- 6/6
For obscenity.		
SOFT PALERIUM	45/-	5/-
For wrinkles.		
LIQUID NAIL POLISH	10/-	1/-
Brilliant and lasting.		

Stocked by ALL Wholesale Houses.

COLONIAL DEPOTS AND AGENCIES.

Australia: ALLWHOLESALERS, & DEARBORN (Australia), Ltd., Grace House, Clarence Street, Sydney.
South Africa: LENNON, Ltd., Cape Town, etc.
South Africa: SIVE BROS. & KARNOVSKY, Johannesburg.
India: FRAMJEE & SON, Bombay.
A. L. CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.
South America: DEARBORN (South America) Ltd., Calle Pavon 2100, Buenos Aires.
Straits Settlements & Federated Malay States: MEDICAL H.A.L., Ltd., Singapore.

THE ORIGINAL
::: AND :::
STILL THE BEST



JACKEL'S
CREAM
WITHOUT GREASE
FOR THE HAIR

SOLD EVERYWHERE.

1/9 PER BOTTLE 2/6

Jackel's Cream has now been over 40 years on the market and enjoys a steady reliable sale. Once a customer buys Jackel's, imitations have no appeal because Jackel's is still the best.

HOW ARE YOUR STOCKS AT PRESENT?

12/- and 18/- per dozen.
Retailing at 1/9 & 2/6 per bot.

SHOWCARDS AND PARTICULARS FROM
YOUR WHOLESALE HOUSE.

JACKEL et CIE (of Paris) Ltd.
GLASGOW.

Offer this

When customers ask for a colour-restorer for grey hair, or a tonic to stop falling or to promote growth, offer

MORGAN'S POMADE

You may do so in full confidence that it will perform what it promises. 35 years' reputation, a world-wide trade, and thousands of testimonials support its claims to genuine merit. Retail 1/9 and 3/3 per pot; Wholesale 14/- and 26/- per dozen. With equal certainty of ensuring customer-satisfaction you can also recommend MARIE ANTOINETTE EUCA-LYPTUS SHAMPOO POWDER. Threepenny packets, 18/- per gross, or in 1/6 boxes (7 packets), 12/- per dozen.

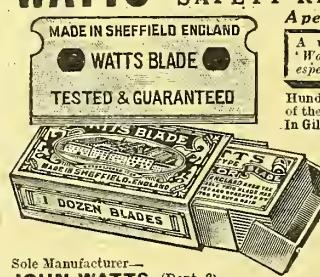
BOTH ARTICLES IN THE P.A.T.A. LIST.

THE MARIE ANTOINETTE CO. 149 JUNCTION ROAD LONDON, N.19

(Note New Address) (1)

DISPLAY THEM ON YOUR COUNTER 'WATTS' SUPER-KEEN SHEFFIELD-MADE SAFETY RAZOR BLADES

A perfect shaving instrument
A user writes: "I find your 'Watts' Blade superior to any other, especially here in U.S.A."



Hundreds of testimonials from all parts of the world testify to their efficiency. In Gillette type, Autostrop type (as illustrated), Ever-ready type & Clemak type. 'Watts' Autostrop-type blades are now provided with holes (as illustrated) to enable them to be strapped in the wonderful 'Spiro' Sharpening Machine.

3/6 per dozen

(allowing 50% profit on cost for the stockist)

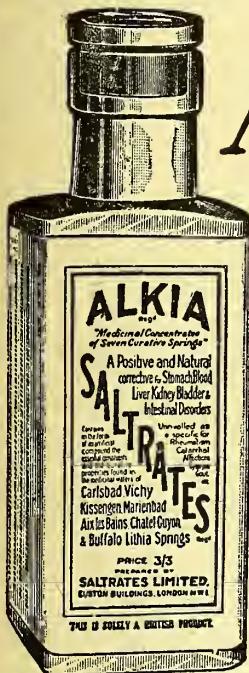
Established over 100 years.

Sole Manufacturer—
JOHN WATTS, (Dept. 3)
Lambert Works, Sheffield
London : 24 Redcross St., E.C.1

Compounded UP TO A STANDARD

(*The Highest Possible*)

Never DOWN TO A PRICE



these lines are as near perfection in their respective fields as it is humanly possible to get them, regardless of cost or selling price.

Your customer requires no persuasion after he has once given our preparations a trial. He then KNOWS they are just what he wants and is interested in no others. In other words—after you make the first sale these goods go on selling themselves.

Alkia Saltrates

The most efficient Saline on the market and the best value for the money. Pleasant tasting and always satisfies, the user. Widely advertised for Rheumatism, Gout, Sciatica, or any Liver, Kidney, Stomach, Intestinal or Blood Disorders, Catarrhal Affections, etc.

Sells at 3/3 (P.A.T.A.).

Reudel Bath Saltrates

The best selling and most fragrant, refreshing, beneficial and all-round satisfactory preparation for the bath—especially recommended for Corns and all Foot Troubles, Rheumatic Pains, etc.

Sells at 2/- and 3/3 (P.A.T.A.).

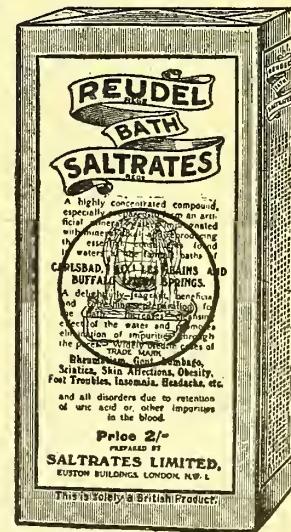
YOU CAN STOCK THESE RAPIDLY MOVING LINES ON GUARANTEED SALE TERMS

Carriage Paid in Free Cases in United Kingdom on orders for three dozen, which may be assorted.

Showcards of strong selling power sent free on request.

Write for our Special Terms for Window Display.

SALTRATES LIMITED, EUSTON BUILDINGS, LONDON, N.W.1.



Are you selling the MONKEY STROP?

Scores of thousands of safety razor users need the MONKEY STROP; there is a big market for it in your district, why not be first in the field with this profitable and quick-selling line? Consider the present publicity for a low priced but efficient rotary strop, it brings a rapid turnover—let us send you a sample dozen or half-dozen of the MONKEY STROP at once.

Manufacturers:
**DOUGLAS KIRBY
& CO., LTD.**
Dept. C.D., ST. JOHN'S LANE,
GLOUCESTER.

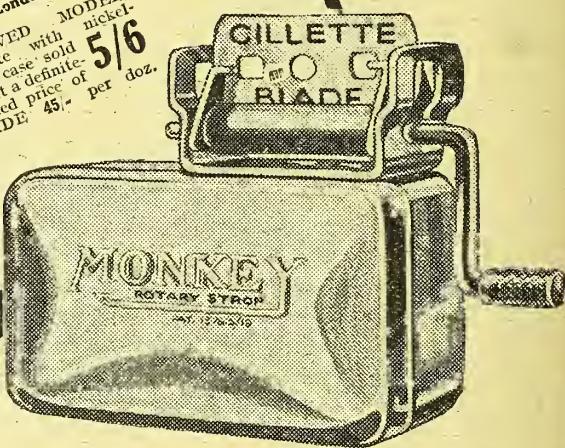
Order NOW from your usual WHOLE-SELLER, or direct from the MANUFACTURERS.

Stocked by the principal Wholesalers, including:—

Butler & Cripe, London.
Barclay & Sons, Ltd., London.
May, Roberts & Co., Ltd., London, E.C.A.
Sengers, London, N.W.1.

IMPROVED MODEL.
Complete, in a case with nickel-plated only at a definite price of 5/6 per dozen.

TRADE 45/-



PAPIER POUDRÉ POPPÉA ROUGE

Made in Booklet Form in White, Rose and Rachel tints
2d., 6d., 8d., and 1, 4 sizes at 2/8, 3/9, 5/- and 10/- per dozen
nett, respectively.

ONE SIZE ONLY 1/- at 8/- per dozen.

Sole Proprietors and Manufacturers:
PAPIER POUDRÉ, Ltd., 46 Baker Street, W.1
NONE GENUINE WITHOUT ABOVE TRADE MARKS



The EVAN-WILLIAMS

ALWAYS IN GREAT DEMAND.
PRICE LIST ON APPLICATION.

The EVAN-WILLIAMS Co., Ltd., 14/15 Union St., W.1.

SHAMPOO

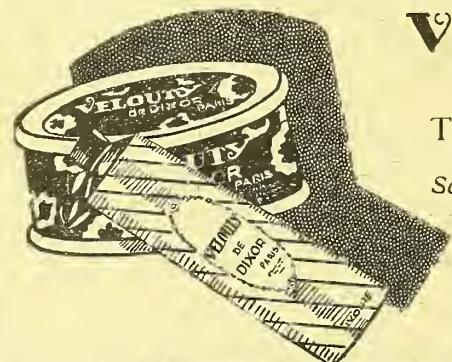
FACE POWDER

Any Grade
Any Colour
Any Quantity

COLD CREAM—VANISHING CREAM
MASSAGE CREAM—TALCUM POWDER

All Merchandise in Bulk or in your own Containers.

Drug Grinding done for the Trade.
The O-PINE-O Manfg. Co. Ltd., Montague Rd., Hornsey, London, N.8



VELOUTY de DIXOR PARIS ..

COMBINED CREAM AND POWDER

The advertised line that you are asked for.

DAINTY PRESENTATION

Samples free upon receipt of tradecard or billhead.

Prices:—	Full size pot	21/-	doz.	Retail	...	...	2/9
	Super Tube	22/-	"	"	...	...	3/-
	Large	14/-	"	"	...	...	2/-
	Handbag,,	3/-	"	"	...	...	6d.

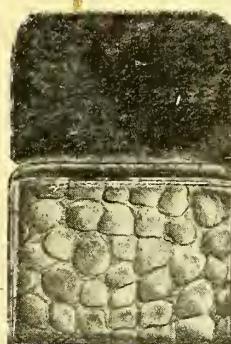
Obtainable from your regular Wholesaler or direct from the Sole British Agents:
DEBACQ & HARROP, 7 Little Goodge Street, LONDON, W.1

Registered.

"FURSAC"Patent
applied for.

SENSIBLE ATTRACTIVE
HYGIENIC
EFFICIENT : SIMPLE
ECONOMIC

Natural Undyed Fur and
Selected Leather.
Powder Puff and Powder
Container combined.



THE FINEST SELF-CONTAINED POWDER PUFF
YET PRODUCED.

Powder contained in specially-designed pocket, percolating through self-closing slits on to the surface of puff. Powder cannot spill. Customer uses her own Powder.

Beware of inferior imitations which are far from creditable to the manufacturer or satisfactory to the buyer who is misled by similarity of names. GENUINE "FURSAC" can be obtained from all leading wholesalers or direct from

FLETCHER SQUIRES & CO.

Phone: Riverside 3110.

70 GOLDHAWK ROAD, W.12.

Mr. Retailer!

Do you know that our
SERVICE DEPARTMENT

is ready to supply, carriage paid, very attractive Price Tickets, Window Cards and other advertising matter in connection with Gillette Safety Razors and Gillette Blades? Also, will exchange any of our Lines that may be shop-soiled for New Goods?

IT PAYS YOU TO MAKE A DISPLAY

Send a Post Card to-day to:

SERVICE DEPARTMENT,
GILLETTE SAFETY RAZOR LTD.
184-188 Gt. Portland St., London, W.1

Gillette
TRADE  MARK
KNOWN THE WORLD OVER

A.S.PRICE & C° LTD.

Manufacturing Chemists
Blackheath, Birmingham

A TOOTH BRUSH
OF DISTINCTION

THE "ASPANCO"

Extra Stiff, 4 Row Celluloid.
Prophylactic. In 6 colours:
Light and Dark Amber, Green,
Mother-o'-Pearl, Tortoiseshell
:: :: and White. :: ::

Packed in 1 doz. Display Box.

9/- per doz. 6 doz. lots, 8/6 per doz.
Carriage Paid on 3 doz. lots and upwards.

A Beauty Aid for Women
which does not compete with
any existing line you stock.



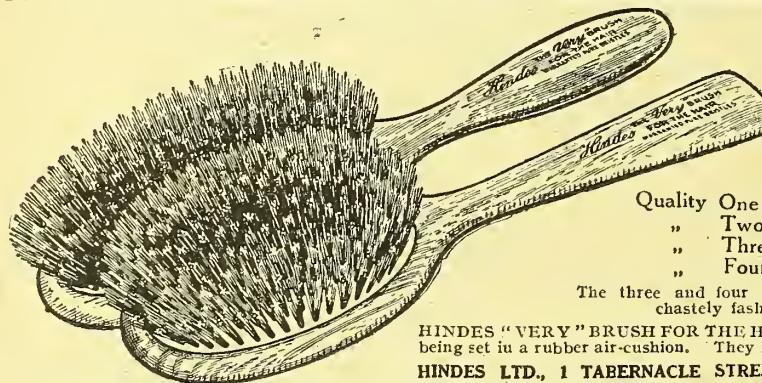
soft all-rubber Curlers are particularly suitable for
BOBBED HAIR

because they curl the extreme ends of the hair.

Attractive show cards, counter display boxes and
other sales matter with every order.

Artifex Curlers are being stocked by a rapidly
increasing number of chemists. For your share
of the business get particulars of this quick-
selling, well-advertised line from your whole-
saler, or, if you prefer, write in first instance to

"ARTIFEX" DEPARTMENT,
The MERKHAM TRADING LTD
Bush House :: Aldwych :: W.C.2



HINDES "VERY" HAIR BRUSH

Quality One X	Sold at 7/6d. each.	TRADE PRICE 33½%
" Two XX	10/6d. "	
" Three XXX	15/- "	
" Four XXXX	18/6d. "	

The three and four XXXX grade is made in Ebony or Rosewood
chastely fashioned in both oval and circular bodies.

HINDES "VERY" BRUSH FOR THE HAIR is guaranteed pure bristles; the multiple tufts
being set in a rubber air-cushion. They have been known to the trade for nearly 40 years.
HINDES LTD., 1 TABERNACLE STREET, LONDON, E.C. :: Works: BIRMINGHAM

Telephone: Axminster 5.

Telegrams: "Coate, Axminster."

COATE & CO. (Axminster) Ltd.
The London Brush Works, Axminster, Devon.
Estab. 1847.

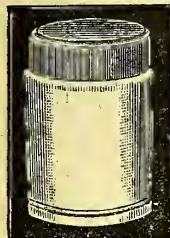
Manufacturers of Super British Brushes

Our Special "PROPHYLACTIC" Tooth Brushes—

3 row Hard, Medium, Soft, Yellow Hair @	... ... ...	16/- per dozen
4 "	... ... ...	18/- "

Orders for one gross supplied in Cartons with customer's name and address free.
Every Brush Guaranteed. British made by British Labour. Send for our present list of prices.

**Special
OFFER
this week**



**ROUND EARTHENWARE
POMADES.** To hold about
4 ozs., with celluloid cap.

**OCTAGON OPAL SCREW
POMADES.** To hold about
2 ozs., with or without cap.

*A very tempting PRICE
on application.*

every kind of GLASSWARE and SUNDRIES for the **Chemist & Druggist**

Nearly 15,000 cases of Glassware
of every Variety in stock. No delay.
No loss of Business and always

LOWEST PRICES

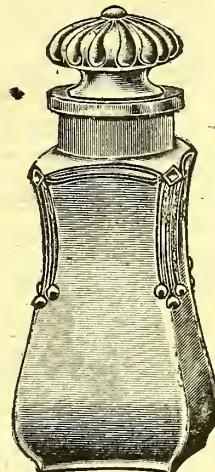
Immediate attention to all
Orders. Executed from stock
most times. Bottles shown
and hundreds of others

IN STOCK NOW

Vials, Limes, Kalis,
Medicals, Nasal Douches,
Two-ended Feeders,
Tablet Bottles (all sizes),
Bath Salt Containers, &c., &c.

*Please state your requirements. We
will send you a keen quotation.*

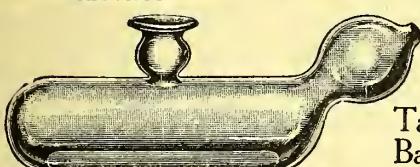
Correspondence a pleasure. Write
TO-DAY—NOW—for ILLUS-
TRATED LISTS.



**FANCY BATH SALT
CONTAINERS**

In profuse variety and
ALL SIZES.

MEDICAL



NASAL DOUCHE



TWO-ENDED FEEDER

JULES LANG & SON

(Opposite
Agricultural Hall.)

Telephone—
Clerkenwell 8770/2.

The Glass Specialists
CHARLTON PLACE •
ISLINGTON, LONDON, N.1.

Telegrams—
"Assorted, Phone,
London."

Codes—ABC 5th Edition,
Scott's 10th Edition, 1906
and Bentley's Complete
Phrase Code.

BOTTLES

OF EVERY
DESCRIPTION
Wholesale & Export Only

We make good

BOTTLES

—hand or machine made.

Large and well-organised works enable us to meet your immediate requirements for:—

**DISPENSING, EMULSION,
COUGH MIXTURE,
SAUCE, EMBROCATION,
FEEDING BOTTLES, &c.**

*Our prices are right—
and our Bottles are
British manufacture.*

Make us your standard
Bottle suppliers—we can
meet your every need.

LAX & SHAW

LIMITED

ALBERT GLASS WORKS
HUNSLET, LEEDS.

*Belinda Glass Works, Hunslet. Clarence Glass Wks, Hunslet.
Telegrams: "Feeders, Leeds." Telephones: 27047, 23080, Leeds.*

Ferry for Bottles

MEDICALS, EMULSIONS, VIALS,
POISONS, LIMES, SMELLING
SALTS, LYSOLS, PANELS, KALIS,
BRILLIANTINES, Etc.

CANNONS, CHELTENHAMS,
POMADE POTS, MEXICANS,
PERFUME BOTTLES & TUBES

Stocks held of all lines.

Wholesale only

T. FERRY & SON, LTD.
1 REGENT'S ROW, QUEEN'S ROAD,
DALSTON, LONDON, E.8.

Phone: CLISSOLD 6346.
Grams: "TEFERGLAS, HACK, LONDON."

BETTER VALUE THAN EVER!

"Standard" Feeders cheaper

The increasing demand for "Standard" Feeders has enabled us to effect economies in buying the components. We are passing this reduction on to you by reducing the price.



Reduced prices: 6.3 doz.; 6/- 6 doz. lots; 5/9 1 grs. lots.

The bottle is the famous **W** brand and the fittings are worthy of it.

THOS. SWALES 20, 24 Butts Court
LEEDS

"Swales for Sundries."

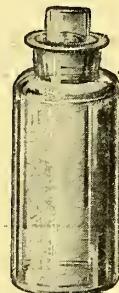
Registered Trade



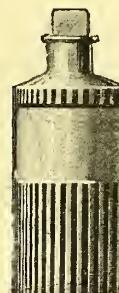
Mark, No. 26866.



Hand-turned Shop Rounds.



Recessed Shop Rounds.



Recessed Poison Rounds.

SHOP BOTTLES

of the finest finish. Perfect Stoppering. Made in glass free from arsenic and lead; this feature is of vital importance in the case of Shop Bottles.



R.C. Flat.



B.C. Flat.



B.C. Square.



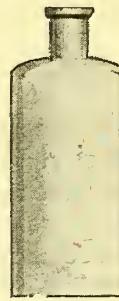
R.C. Square.

DISPENSING BOTTLES—

accurate in Capacity, free from arsenic and lead, and handsome in appearance. The aristocrats of bottles.



Oval.



Oval Fronted Flat.



Oval, 2 Flat Sides.



Octagon.



DOUBLE-ENDED FEEDERS

The finest the world has yet seen. Made in beautiful lustrous white flint glass which is so durable that it may be boiled continuously for twenty-four hours without shewing signs of deterioration.

Sold by all the Leading Wholesale Houses.

WOOD BROTHERS GLASS CO., LTD.
BARNESLEY, (Established 1828) ENGLAND

DEPENDABLE DRESSINGS

TRADE  MARK



We specialise on the supply of surgical dressings to B.P.C. requirements, packed and labelled in a manner reflecting credit on the retailer. Customer's own name printed on labels by arrangement. Our prices are competitive and we shall be glad to forward quotations to any interested buyers.



BRITTON, MALCOLM & WAYMARK, LTD.
38 SOUTHWARK BRIDGE RD., S.E.1.
(Near Tram Terminus.)

Telephone :
HOP 1350.

Telegrams :
"Clinbritic, Boroh, London."

Estd.

1850

BERTONS
of Old Street

Bathing Caps

A seasonal line you must stock. We have a splendid range, and can offer as low a price as

8/6 PER DOZ.

for orders of 3 dozen upwards assorted.

Order from C. Dept.—Now.

ARTHUR BERTON, LTD.

Factory, Warehouses and Offices :
Britannia House, Old St., London, E.C.2
And at Manchester and Glasgow.



'Steraid' ABSORBENT & MEDICATED DRESSINGS

Made in England.

The only packing in which contents are not handled or exposed to the atmosphere until required for use.
Patent Number 221761

Minimum Trade Prices.
Per Doz.

	6-yd.	3-yd.	6-yd.	3-yd.
Plain Absorbent	2/-	1/2	18/-	19/6
Sal Alcembroth				
Sublimatic	2/3	1/3½	20/3	11/6
Carbolic				
Boric	2/6	1/5	22/6	12/9
Double Cyanide				
Iodoform	3/-	1/8	27/-	15/-
Picric				

Rotate the flange of the inner portion of the container in the direction of arrow until dressings appear and interior slot is visible.

Minimum Public Prices.
Each.

	6-yd.	3-yd.	6-yd.	3-yd.
Absorbent, Plain Lint or Boric Lint, 2" wide	1/3	11/3		
" " " " 4" "	1/9	15/9		
" " " " 6" "	2/3	20/3		

There are approximately 6 yds. of Plain Lint or 4 yds. of Boric Lint in each Carton.

Obtain your supplies through your usual Wholesale House.

ROBERT BAILEY & SON LTD.
Marriott Street Mills, Stockport.

Telegrams: "Undisputed, Stockport." Telephone: 2794 Stockport.
London Office: 307 Sentinel House, Southampton Row, W.C.1
Phone: Museum 7560/9. Wholesale and Export Only.

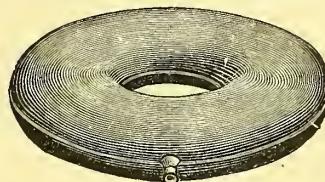
INDIA-RUBBER

AIR CUSHIONS

(BRITISH MAKE)

THE "EMPIRE"

BRAND



No. 1194.

REDUCTION IN PRICES.

No. 1194.—The "Empire" circular red india-rubber Air Cushion—

DIA.	14	15	16	17	18	19	20 ins.
each	5 6	6 0	6 6	7 0	7 6	8 6	9 6

1353—Square shape „ 8 0 8 6 9 0 10 0 11 0 12 6 14 0

CARRIAGE PAID ON ORDERS OF £3 AND UPWARDS.

A discount of 5% for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for New Price Lists of Druggists' Sundries, Toilet Requisites, Rubber Goods, Cut Sheet Rubber Appliances, etc.

BURGE, WARREN & RIDGLEY, Ltd.

91 & 92 Great Saffron Hill, LONDON, E.C.1

NORVIC CRÈPE BINDERS

Hygienic, washable,
rubberless, and giving
natural support.

Made in 6, 8 & 11 in.
widths. Delightfully
comfortable.

Beautifully elastic,
stretching to double
their length, Norvic
Crêpe Binders are
invaluable in ma-
ternity and all cases
where elasticity, sup-
port and adaptability
are required.

Vic tonic face-
cloths preserve
skin beauty and
do away with
wrinkles. Never
get "slimy."
They keep their
virtue and are
indispensable.



GROUT
& Co., Limited.
Stocked by all



GREAT
YARMOUTH
Wholesaler

ELLIS, SON & PARAMORE

ESTABLISHED 1800.

**SPRING STREET WORKS
SHEFFIELD.**

**THE
EXPERT TRUSS MAKERS**

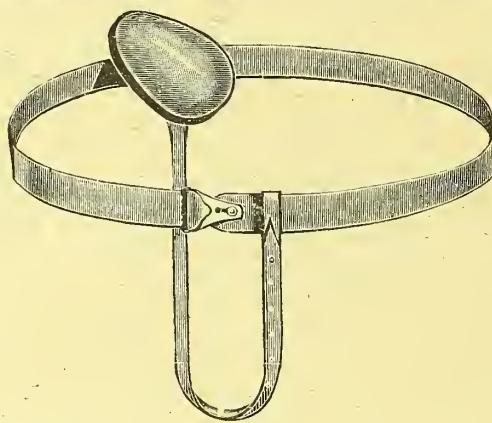
MAKE THE BEST FIT-
TING AND WEARING
GOODS ON THE MAR-
KET IN SPRING AND
SPRINGLESS STYLES.

THEY CAN BE HAD FROM YOUR
SUNDRIES FIRM OR THROUGH
SHIPPERS.

THE SIMPLIC (REGD.) ALL RUBBER TRUSS

**SIMPLIC
SURGICAL
SERVICE**

Supplied with
INGUINAL,
SCROTAL or
CIRCULAR PADS
Single or Double.



**SIMPL
SELF-ADJUSTING
SECURE**

OBtainable
THROUGH
ALL USUAL
SUPPLY HOUSES.

THIS APPLIANCE embodies all the essentials so long sought after. It is EXTREMELY STRONG, INSTANTLY ADJUSTED to any size, and maintains an ADEQUATE PRESSURE under all conditions. The SIMPLIC TRUSS is specially designed for BATHING, being entirely rustless and unaffected by water. Specially prepared to suit all climates, it is the LAST WORD IN COMFORT.

Buy *SIMPLIC* Branded Goods—TEATS, SOOTHERS, GLOVES, Etc.

**GLEDHILL
CASH TILLS**



A combination of efficiency, lasting service and better cash checking.

To deal with disputes over wrong change, use a Gledhill "Coin Exhibitor" Till. Each coin tendered remains visible for the last three transactions—amicably settling any disputes. Safeguards your profits and your assistants.

British made by the supreme Till-Makers.

Send for list and money back offer.

G. H. GLEDHILL & SONS, LTD.,

16 Trinity Wks., Halifax.

The Gledhill
"Coin
Exhibitor."

"TAPON" (Regd.)

Tie up your Parcels with Advertising Tying Tape. Please both Eye and Pocket and gives Distinction to every Parcel sent out.

Various Colours and Widths, Printed or Plain.

Write for particulars, when Prices and Patterns will be forwarded.

S. D. SIMOND & CO., LTD.

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Tel. : Avenue 6378. Telegrams : "Duncasim London."

Surgical Rubber Goods

VENUS, OWL, GODIVA
& BALLOON BRANDS.

NOTICE.—Several instances of the sale of VENUS BRAND goods other than their make having been brought to the notice of Joseph Harris & Co., their Solicitors are instructed to take proceedings against anyone (Makers or Vendors) fraudulently using the name or design of VENUS or any imitation thereof in connection with Seamless Moulded Goods.

SEAMLESS MOULDED SURGICAL GOODS, PESSARIES, HOT WATER BOTTLES, URINALS FOR NIGHT OR DAY USE. Wholesale & Export Only.

JOSEPH HARRIS & CO., Rubber Works, Broadheath, Altrincham.

ROBERTS' ORIGINAL PATENT
**BOTTLE-FILLING
 MACHINES**

Don't waste money on imitations, buy Roberts' Machines which actually Created the Records for

**CLEANLINESS
 SIMPLICITY**
 and Rapidity in Bottle Filling.

Write for new Price Lists.

NOTE the Address :
**ROBERTS' PATENT
 FILLING MACHINE CO.
 33 ROUND CROFT ST.
 BOLTON.**

Our latest patent "Alpha," price £12, will fill 10 gross bottles per hour.

*Write for Particulars.
 All Rights Reserved.*

COLLAPSIBLE TUBES!

HAVE YOU SEEN

Cowles' Filling and Closing Machines ?

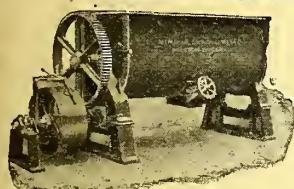
3 NEW MODELS HAND, PEDAL
 AUTOMATIC £10:10:0 upwards

ECONOMY SPEED LABOUR-SAVING
 DETAILS ON APPLICATION

E. Cowles, Hounslow, London, W.

"ATLAS" PATENT **MIXERS & SIFTERS**

Combined or Separate Machines.



Absolutely up-to-date in every detail, strong, and most reliable machines on the market. Various sizes.

BALL MILLS

HIND & LUND, LTD.
 ATLAS WORKS, PRESTON.
 Telegrams: "Atlas Preston."

(3)

Our Specialties!

**LABELS
 WRAPPERS
 CARTONS
 ENVELOPES
 SHOWCARDS**

*SAMPLES on
 APPLICATION.*

Full set of Samples sent to the Colonies on receipt of P.O. for 7/6, which will be credited on first order of £5 or upwards.

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CHEMISTS' PRINTERS,
 Folding Box Manufacturers,
 Advertising Matter of every
 description.

BURLEY ROAD LEEDS.

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 Phone: MUSEUM 7560.

SEE THESE PRICES ENLARGING

Size,	B. & W.	Sepia extra.
Post Card	3d.	7d.
½-Plate	5d.	10d.
8½ x 5½	7d	—
1/1-Plate	11d.	1/6
10 x 8	1/3	2/3
12 x 10	1/11	2/11

All above post free. Packages free.
Send for particulars of our D. & P. Scheme, it brings business.

SHAWYER & CO., SWINDON

MANY SUCCESSES IN THE EXAMINATIONS!

Your Opportunity to

QUALIFY IN OPTICS

PRACTICAL WORK. Students taking the Course may receive personal tuition in the practical work AT ANY TIME DURING THE COURSE.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (F.S.M.C.) ; the British Optical Association (F.B.O.A.), or the National Association of Opticians (F.N.A.O.).

Write for full particulars—

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50 High Street BARNET
(N.Z. Representative : C. AITCHISON, PALMERSTON Nth.)

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NEW COURSES commenced APRIL 15th, 1925.

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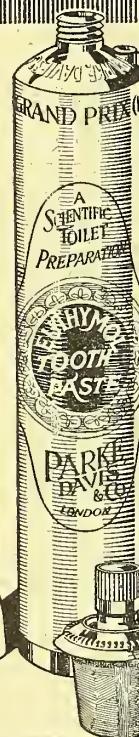
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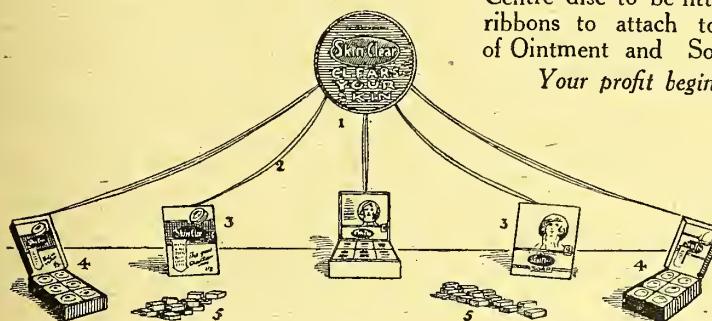
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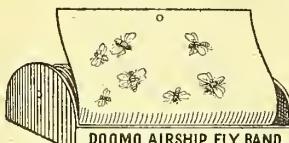
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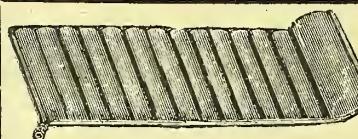
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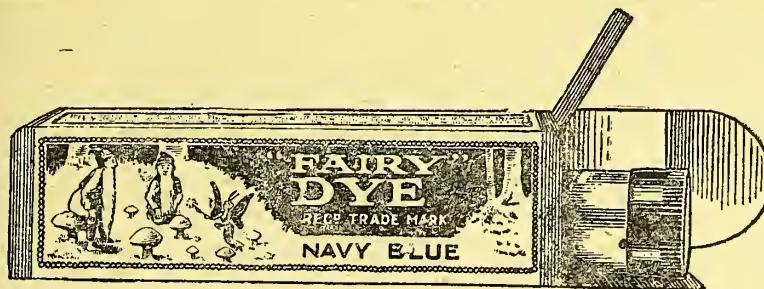
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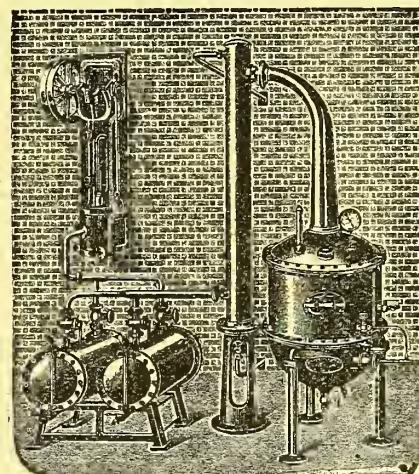
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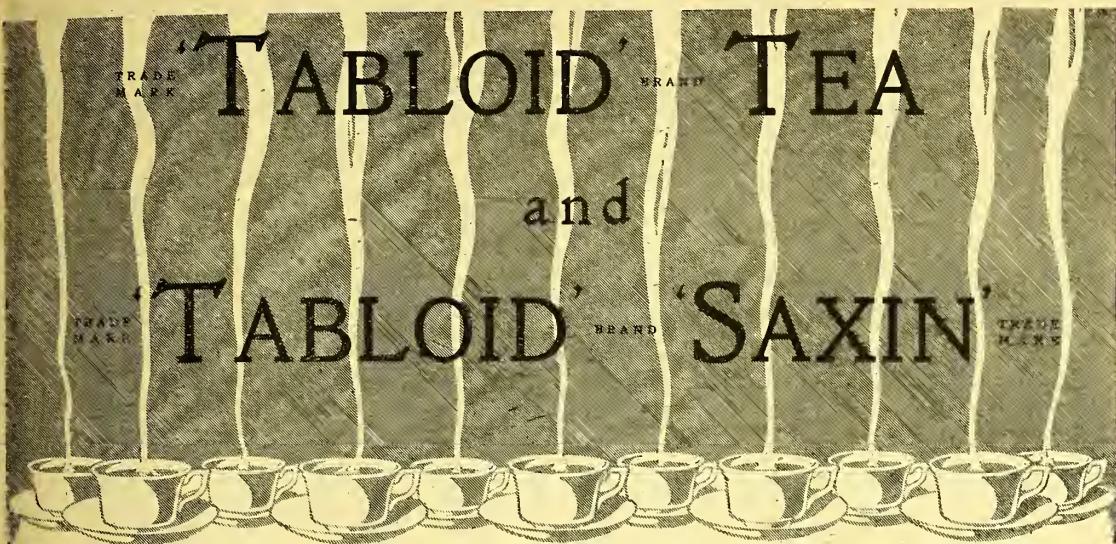
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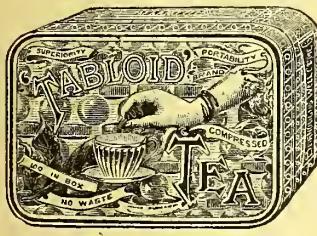


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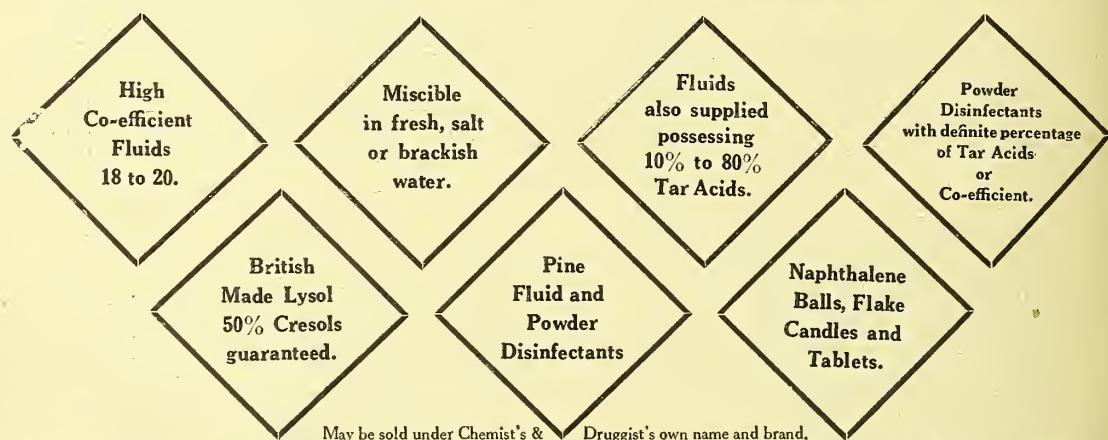
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Now Ready

C. & D. POISONS CARD NO. 1

A NEW edition of this card has been published. Containing the poison schedules of the Arsenic Act, Poisons and Pharmacy Act, and Dangerous Drugs Act, it embodies the alterations which came into force on April 3. The card was first published many years ago, and maintains its unrivalled position as a ready reference card for the chemist's shop. The cards measure 10 in. by 12½ in., and are sold at 1s. each, post free. The terms for quantities are:—

	s. d.
3 cards, post free	2 9
12 cards, post free	10 0
25 cards, post free	20 0
100 cards, carriage paid	60 0

A new edition of No. 2 card containing an extended list of scheduled poisons will be ready in a few days.

English and Welsh News

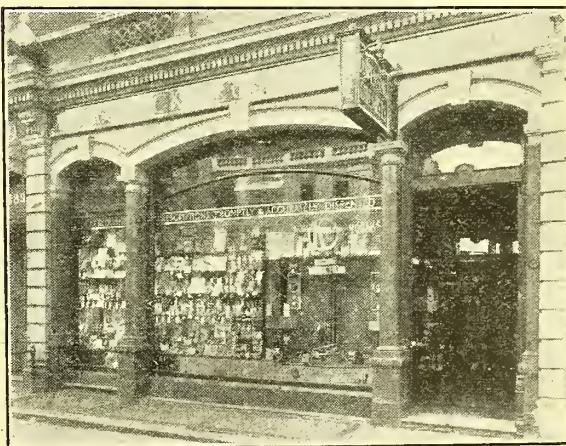
The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Royal Academy of Arts

Visitors to this year's Royal Academy Exhibition, which opened at Burlington House, London, W., on May 4, may escape the "Academy headache" by reason of the fact that the exhibits are slightly fewer in number than usual, but will, if they are regular patrons, be more or less disappointed at the lack of outstanding features. There has been no great rush, for example, to portray the members of the new Government; the only representatives we noticed in going round the galleries were the Prime Minister—a bust in bronze (1235)—and Mr. L. S. Amery (119). Sir William Orpen has sent a striking portrait (617) of Lord Dewar, a director of A. & F. Pears, Ltd., and an almost unrivalled after-dinner speaker; a mezzotint in colour (1023) from this picture will be found in the South Rooms. Mr. Solomon J. Solomon depicts Colonel W. F. Wyley, of the well-known Coventry manufacturing company, in a scarlet robe (170). Among other portraits of interest are those of Sir Humphry Rolleston, Bt., President of the Royal College of Physicians (260). Sir Donald MacAlister, Bt., President of the General Medical Council (477), and Sir Gilbert Barling, Bt., M.B. The past-President of the Academy (Sir Aston Webb) and Mr. Maurice E. Webb contribute two drawings, one of which shows the proposed extension to Birmingham University; the Lecture Room contains, in addition to the bust already mentioned, two impressive examples of the work of Mr. Frank M. Taubman, an artist who derives from pharmacy. One, "The Greek Captive: the Jealousy and Revenge of Semiramis" (1255), is an equestrian statuette in bronze on a black marble pedestal: the other, "Logs" (1362), is a medallion in silvered copper strikingly conveying an impression of physical energy. For the rest, visitors may learn a little more geography, if they will; they may inspect more book-plates than usual; they may have their fill of "still life" paintings; and they may discover for themselves the inevitable "wireless" topicality—we noticed only one. In the light of recent remarks in these columns, it is of interest to record that the listeners-in are of tender age.

Cameras Stolen

Early on the morning of April 30 a window at the premises of A. Q. Tucker & Co., Ltd., chemists, 491 Oxford Street, London, W., was broken by means of a piece of granite and six cameras were stolen. The photograph from which our illustration is taken shows the



window shortly after the occurrence.—A similar incident took place at the establishment of Heppells, Ltd., chemists, Buckingham Palace Road, London, S.W., early on May 5. After breaking the window with a brick wrapped in paper, the thieves stole a number of cameras.

C C

Society of Apothecaries of London

At the Assistants' examination, held on April 27 and 29, the following candidates were granted the certificate of qualification to act as an assistant to an apothecary in compounding and dispensing medicines:—

Arney, M.	Howard, M. L.	Richardson, C. C.
Bernard, M.	Howard, W. L.	Roach, M. G. L.
Bowdler, D. M.	Lathe, M.	Roberts, M. M.
Buckley, A.	Lee, E.	Ronayne, T.
Care, I. Mc. K.	Lewis, P. R.	Rowe, E. E.
Cheffins, M. E.	Liddell, F. J.	Satchwell, K. M.
Culliford, B.	Long, M. F.	Sawers, E. E.
Donnelly, E.	McConnell, M. F.	Slaughter, R. A. S.
Donovan, C. M.	Mackray, H. E.	Sly, G. H.
Edwards, D. A.	Maidment, M. F.	Smallwood, P. D. M.
Edwards, M. A. L.	Mather, M.	Thomas, K. E.
Fowler, N. E.	Mills, M.	Wakelin, H. E.
George, M. E.	Murphy, S.	Walker, N.
Gibson, K. C.	O'Bryan, M. M.	Whur, L. B.
Graham, M.	Owen, T. M.	Wood, L.
Hayward, H.	Patterson, L.	
Hewson, M. P.	Perrott, M. S.	

Contracts

The following contracts have been accepted by the bodies named:—

Crown Agents for the Colonies.—Arthur H. Cox & Co., Ltd., Brighton, medicinal tablets to Uganda.

Warsop Urban Council.—Mr. L. A. Parker, chemist and druggist, drugs, etc.

Poisonings

An inquest was concluded at Trowbridge, on April 30, on the body of Florence M. Billett, who had been found dead with a powder in her possession (*C. & D.*, April 11, p. 527). Dr. Todd, assistant pathologist at Bristol University, now stated that the powder contained acetanilide and antipyrine, both of which were poisonous drugs, the effects of which were shown in the stomach. The cause of death was heart failure, due to ingestion of these substances. Most doctors used the drug very sparingly, and usually in conjunction with some stimulant. According to the British Pharmacopoeia a safe dose of acetanilide was 2 to 5 gr., but he had known persons take 20 gr. without trouble, while others had been seriously ill after taking 1 gr. Replying to the coroner, Dr. Todd said all drugs were dangerous, even aspirin. He had known a very serious illness follow a small dose of aspirin. People ought to know that acetanilide was a very dangerous drug, especially as its action varied so greatly. The jury returned a "Misadventure" verdict.

Liverpool

The "American" season is opening auspiciously. By the White Star Line alone 28,000 visitors are booked from New York, via Liverpool, to London and Scotland.

Mr. J. Rutherford Hill, after speaking at the smoking concert for the Benevolent Fund and receiving thanks for his telling address, had to leave by the midnight train for Edinburgh.

The Pharmacy Club opened the tennis season at Wavertree on May 3, when twenty-five players practised in a cool wind. Mr. A. O. Phillips (captain) had the grass courts in exceptionally good condition. He motor-cycles from Smithdown Road and gives unremitting attention to the turf.

Manchester

Mr. John E. Edwards, chemist and druggist, has acquired the Cross Lane Pharmacy, 126 Cross Lane, Salford.

The branch of Mr. C. W. Monk, chemist and druggist, 102 Cross Lane, Salford, is shortly being moved to 76 Cross Lane.

Joseph Lamb & Co., druggists' sundriesmen, have removed from 7 Blackfriars Street to 74/8 Hardman Street, Deansgate.

Councillor F. W. Bates, J.P., has been chosen for the second time as President of the Manchester Pharmaceutical Association, the previous occasion being in 1913.

Sheffield

Chemists' accounts for Insurance work during the past month amount to £1,976 4s.

Mr. Hugo Wolff has been on a visit to the city. A display of Glaxovo was made at the Exhibition in the Drill Hall.

The Home Office has asked for a report on the two new anaesthetics which are being used by the Royal Hospital authorities.

Mr. J. A. Swain, chemist and druggist, has purchased the business of Mr. R. H. Field, chemist and druggist, 157 Upperthorpe Road.

Miscellaneous

FOOTBALL.—In their recent matches, The British Drug Houses Football Club has defeated Travers' Reserves (3-1) and drawn with Minerva Athletic (1-1).

WINDOW-DISPLAY AWARDS.—Prizes for window displays in the recent Cardiff shopping week have been awarded to the following chemists:—Anthony & Co., Ltd. (photographic goods); D. Morgan & Co. (perfumery); Mr. E. B. Hooper; C. Fargher; and J. Mason.

STAFF DANCE.—The staff of Parke, Davis & Co. held a successful dance at the Regal Rooms, London, W., on May 1. In the course of the evening much merriment was created during the interval by supplying the ladies with "musical" instruments of various kinds. The band was excellent.

GAS MANTLES.—The Board of Trade have appointed a committee, consisting of Sir F. Mills (chairman), Sir J. Barrow, and Mr. J. A. Aiton, to inquire into and report upon an application made by the Incandescent Mantle Manufacturers' Association for the imposition of a duty upon gas mantles. The secretary is Mr. C. Hobson, Board of Trade, Great George Street, S.W.1.

FIRE.—A fire, which broke out at the pharmacy of Mr. J. Scriven Turner, chemist and druggist, Newport Road, Middlesbrough, on May 1, was caused by a defective flue. Owing to the prompt arrival of the fire brigade, the outbreak was confined to an upstairs room, but a quantity of stock was damaged by water.

POISON-LICENCE APPLICATIONS.—Mr. J. H. Linington, Newport, has applied to the Isle of Wight County Council for a licence under Section 2 of the Poisons and Pharmacy Act, 1908. Similar applications have been made to the respective local authorities by T. Brecker & Sons, Ltd., Hitchin and Letchworth, and by Mr. C. J. U. Hussey, trading as Wellman Brothers, Windsor.

CHARGE OF HARBOURING UNCUSTOMED SACCHARIN.—At Old Street Police Court, London, on May 5, Abraham de Rooy, traveller, David Hartog, commission agent, Marcus Van Gogh, assistant manager, and Barnett Gelkoff, baker, were remanded on a charge of being concerned in harbouring 70 lb. of saccharin on which duty had not been paid. It was stated for the prosecution that 70 1-lb. bags of saccharin were discovered in the drum of a large roll of paper.

INCIDENCE OF TAXATION.—Among evidence taken recently by the Committee on national debt and the incidence of existing taxation was that of Mr. Horace Barrett, ex-chairman of the perfume manufacturers' section of the London Chamber of Commerce. Mr. Barrett drew attention to the effect upon the perfume trade of the excise duty on spirit. Owing to the high duty in this country, the home consumption value of British goods was about twice that of French goods, and consequently twice the amount of import duty had to be paid in the foreign countries referred to. He advocated the grant of a rebate to perfume manufacturers equal to that now accorded to manufacturing chemists.

MEMORIAL TO THE LATE LORD MOULTON.—A scheme has at last been adopted by the friends and admirers of the late Lord Moulton for the erection of a permanent memorial of his great achievements in the legal and scientific spheres, and, in particular, his services to his country in the European war. The proposal adopted is to associate the memorial with the school at which he

began his remarkable career. Lord Moulton was one of the most distinguished sons of Kingswood School, Bath, and to the end of his life he maintained a close interest in this foundation, created in the eighteenth century. The scheme comprises the conversion of the main schoolroom into a Lord Moulton memorial hall. Plans have been accepted, and the cost of the memorial is estimated at £3,500. An appeal has been issued to the many friends of the late Lord Moulton, and the Rt. Hon. Walter Runciman, M.P., 8 Barton Street, Westminster, London, S.W., has consented to act as honorary treasurer.

IN THE COURTS.—At Bolton Police Court, on May 1, Frank J. Charlton (37), described as a chemist, was bound over for six months for creating a breach of the peace.—At Chester, recently, William Gilbert, of no fixed abode, was remanded to the Sessions on a charge of maliciously damaging the window of Mr. Frank Johnson, chemist and druggist, Ermine Road, Newton.—At Marlborough Street Police Court, London, on May 4, Charles R. Whitelatch (31), described as a broker, was committed for trial on charges including that of obtaining by false pretences the sum of £50 from Mr. Ernest Pope, assistant manager to Parke, Davis & Co., Beak Street, W.—At the Mansion House Police Court, on May 4, Henry Rogers (20) was bound over on a charge of stealing 3 doz. bottles of Kruschen salts, value £3 3s., and other goods, the property of Barclay & Sons, Ltd., Farringdon Street, E.C.—At the same court, Leonard A. Rayner (43), traveller, Colt Street, E., was committed for trial on a charge of receiving property mentioned in the previous case.

Scottish News

Brevities

Mr. A. H. Murdoch, chemist and druggist, Macduff, has been elected President of the local shopkeepers' association.

The annual golf match between Glasgow and Dundee Pharmacy Clubs was played over Gleneagles on April 29, and resulted in a win for Dundee by six matches to two, one being drawn.

The annual competition for the Ayrton, Saunders trophy of the Scottish Chemists' Bowling Association will be held in Edinburgh on June 3. Entries should be in the hands of the secretary, Mr. John T. Simpson, 268 Crown Street, Glasgow, not later than May 25. The fee is 10s. per rink. Players unable to form rinks should send in their names and the position they play, with 2s. 6d. entrance fee, to the secretary, who will allot them to rinks.

An application to the local authority by the Aberdeen Lime Co., Ltd., for licence under Section 2 of the Poisons and Pharmacy Act, 1908, has been refused. There were two objectors, Mr. John Collie, chemist and druggist, representing James Simpson & Son, chemists, and Mr. J. Innes, chemist and druggist, Broad Street, and they maintained that there were already sufficient facilities in Peterhead for the sale of these articles. It was stated that a similar application had been refused by the Elton Town Council. One speaker, in moving that the application should be granted, said that if the chemists took up this position there was nothing to hinder other tradesmen and shopkeepers following suit. The chemists were there for their own interests, and not for the interest of the public. There was no seconder for the amendment and the application was refused.

Edinburgh

Victoria day falls on May 19.

The practice of several wholesalers of duplicating all correspondence for months after a business has changed ownership is being adversely criticised.

"The Development of Therapeutics" formed the subject of the inaugural address of Professor D. M. Lyon at Edinburgh University on April 28. The new Professor, who was welcomed to his post by Professor Lorain-Smith, Dean of the Faculty of Medicine, said

undue attention was perhaps still given to the place of drugs in the fight against disease. This might depend to some extent upon the training of the medical man. Discussing the limitations of the healing art, the Professor said medical men were quite alive to the shortcomings. The patent medicine vendor was also quite alive to this and sought to take advantage of the credulity of the public. For the most part the ingredients of patent medicines were drugs employed in legitimate medicine, or rejected by the profession as useless. It was time that the public wakened up and took to itself some means of controlling this trade.

Glasgow

A meeting of the tennis section of Glasgow Pharmacy Club will be held at the courts in Meadowpark Street, Dennistoun, on May 19, at 3 p.m.

Assistants resident in the area covered by the Glasgow and South-Western Scottish Branch of the Pharmaceutical Society and who have qualified within the last two years are eligible for the Kinnimont prize competition, which will be held at a convenient date in June or July. The closing date for entries is May 31. The prize takes the form of a gold medal, books or apparatus, and is presented to the winner of a written examination in botany and physics. The syllabus may be obtained from Mr. Harvey P. Arthur, chemist and druggist, 361 Victoria Road, Crosshill, Glasgow.

Irish News

Brevities

In a fire which occurred recently in Patrick Street, Cork, the flames extended to the stockroom of Messrs. Blair, chemists, and a quantity of volatile chemicals there were destroyed.

The annual competition for the McMullan Challenge Cup will be played at Portstewart Links on June 3. Further particulars can be had from Mr. W. J. Rankin, jun., 11 Waring Street, Belfast.

Mr. J. E. O'Neill, J.P., R.D., Maghera, raised the question of the cultivation of sugar beet at a recent meeting of the Co. Derry Agricultural Committee in Coleraine, but no action was taken in the matter.

Mr. J. Martin, Local Government Auditor, in a recent report to the King's County Tuberculosis Committee, stated that the purchasing of medicines from local chemists on prescriptions had become a very costly matter, and should be discontinued. The medicines should have been got from the dispensaries at contract prices.

The Rev. T. W. O'Regan, giving evidence before the Free State Liquor Commission on behalf of the Irish Society for the Prevention of Intemperance, urged that chemists' wine licences should be abolished. He knew, he said, of many cases of women ruined through drink obtained in chemists' shops. Other clerical witnesses agreed with this view.

Belfast

In the Bankruptcy Division of the High Court, on May 1, before Mr. Justice Wilson, the matter of Mr. Matthew McDonald, Ph.C., who had carried on business in Donegall Street, was listed. Mr. P. L. McCorry, for Mr. McDonald, asked for an adjournment for a week in order to enable the bankrupt to complete his schedule. His lordship assented.

At the annual meeting of superintendents of the Saturday collection in connection with the Royal Victoria Hospital, Belfast, it was reported that No. 11 district (Berry Street), under its energetic superintendent, Mr. W. J. Rankin, R.D., had made the largest city return—£158 17s. 6d.—and the committee tendered thanks to him and his assistants.

The presentation by the members of the Chemists' and Druggists' Society of Ireland to the President, Mr. Fred Storey, and Mrs. Storey will take place on May 13 at Thompson's Restaurant, Belfast. The proceedings will

take the form of a reception, at which Mr. T. W. McMullan, M.P., will preside. The presentations to Mr. and Mrs. Storey will consist of an illuminated address and a baby grand piano, and a gold wristlet watch to Mrs. Storey.

Interviewed on the new Bill, on May 4, a leading Belfast pharmacist referred to the finance clause, and said the trade was claiming three years' fees instead of two years, and also premises for the Society. The claim was based on forcible separation from Dublin, and the facilities existing there for the work of the Society. The pharmacists also thought that this opportunity should be taken to bring all the poison legislation into one Act and make the Council responsible for all. The principle of a Potent Drugs Schedule was to be pressed for during the debate on the Bill.

Poisons and Pharmacy Bill (Northern Ireland)

THE new Poisons and Pharmacy Bill was down for second reading in the Parliament of Northern Ireland at Belfast on April 30, but, at the request of the trade, the consideration of the measure was deferred for a few days, and the second reading accordingly took place on May 5. An examination of the Bill, which is a very comprehensive one of thirty-five pages, shows that a number of changes have been made in the text of the measure compared with that introduced last session, which never went further than first reading owing to the Dissolution. Most of these are verbal improvements, but the Home Office has inserted several of the amendments suggested by the chemists and druggists on the one side and the Pharmacists' Executive Committee on the other. Various amendments are still, however, to be pressed in committee, and, so far as can be judged, the outstanding question in dispute is now the clauses relating to the financing of the new Pharmaceutical Society, while the question of potent drugs has not been raised at all. The provisions of the previous Bill were given in the *C. & D.*, January 17, p. 78. The clause relating to the financing of the Society, Part V, 26 (2) (*C. & D.*, January 17, p. 83), has been replaced by the following:—

The fees payable in respect of annual licences issued under Part II of this Act shall be collected by the Ministry of Home Affairs. All such fees collected during a period of two years from the commencement of Part II of this Act shall be paid to the treasurer of the Society, and shall be applied to the purposes of the Society in such manner as may be prescribed; and of the fees collected after the expiration of the said period such portion, not exceeding one half as may be determined from time to time by the Ministry of Home Affairs with the consent of the Ministry of Finance, shall be appropriated in aid of the moneys provided by Parliament for defraying expenses under this Act, and the remainder shall be paid to the treasurer of the Society and applied to the purposes of the Society as aforesaid.

Another important change relates to the personnel of the Board of Examiners to conduct the temporary or modified examinations for those desirous of being registered as Ph.C.'s, assistants or apprentices. The old Bill (Clause 5, Subsection 1) provided that the Council would appoint the examiners, whereas the new Bill provides that the examinations shall be conducted by a Board of three examiners, of whom one shall be appointed by the pharmaceutical chemists in the Council, one by the members of the Council who are chemists and druggists or registered druggists, and one by the Minister of Home Affairs. This, it is understood, is a concession wished for by the chemists and druggists and registered druggists. Clause 19, Subsection 2, of the old Bill, known as the widows' clause, has been amended to read that business may be carried on for a period not exceeding five years from the time of the death of the owner, provided the executor had it conducted by a duly registered pharmaceutical chemist, chemist and druggist, or registered druggist. At the end of the five years the Council will

have power to give another five years' extension, and so on each five years. In the old Bill the power was given indefinitely. Clause 7, Subsection 3, has been altered by adding pharmaceutical apprentices, and now reads:—

If the Council certifies in any particular case that a person is debarred by reason only of the provisions of this Act from presenting himself for examination as, and from becoming (if found to be qualified), a pharmaceutical chemist, registered druggist or apprentice or assistant to a pharmaceutical chemist, and that it is inequitable that the person should be so debarred, and if the Council is satisfied, after such examination as may be prescribed, of the competence, knowledge, skill and qualification of that person to be registered as such chemist, druggist, apprentice or assistant under this Act, then the Minister of Home Affairs may authorise such person (upon payment of the proper fees and charges, if any) to be so registered.

A new subsection has been added to Clause 16 as follows:—

After the commencement of this part of this Act no person shall be appointed to the office of chemist or dispenser in any institution maintained at the cost of, or in receipt of aid from, public moneys or local rates in Northern Ireland unless he is a registered pharmaceutical chemist or a licentiate of Apothecaries' Hall or other registered medical practitioner.

The third subsection of this clause has been enlarged by the following addition:—

For the purposes of this subsection a sale shall not be deemed to have been made by wholesale unless it is a sale of an article to be exported from Northern Ireland or the purchaser of the article is: (a) A registered medical practitioner, registered dentist or registered veterinary surgeon; or (b) a person, firm or body corporate entitled to keep open shop for selling poisons; or (c), a person, firm or body corporate licensed under the Dangerous Drugs Act, 1920, to sell drugs by wholesale; or (d), a person, firm or body corporate not engaged in retailing drugs or medicines who uses the poison for the purpose of his trade or profession.

This makes the sale of poisons by wholesalers illegal, except to the classes mentioned. Subsection 2 of Clause 18 describing the titles of the different branches of the trade has been improved, and there are various other minor changes throughout the Bill. There is no change in the composition of the new Council, viz., twelve pharmaceutical chemists, six chemists and druggists or registered druggists, two Queen's University nominees, and one nominee from the joint executive committees of the Ulster Medical Society of the Ulster Division and the British Medical Association. The first two sections are to be nominated by the Minister of Home Affairs, and after that the elective principle will be followed.

There are various changes in the schedules, in which it is noticed that *materia medica* is now described as pharmacognosy. In the poisons schedules chloral hydrate has been moved from Part II to Part I of the fourth schedule, and the oxalates have been omitted from Part II.

BIRKBECK COLLEGE.—Notice is given in "The London Gazette" of May 5 that a petition praying for the grant of a charter of incorporation to Birkbeck College has been presented to his Majesty in Council. All petitions for or against such grant should be delivered at the Privy Council Office on or before June 4.

FRANCO-GERMAN POTASH AGREEMENT.—It is reported from Berlin that the negotiations between the Alsatian and German potash owners for the conclusion of an agreement have been brought to a satisfactory termination. Although details are not yet available, it is authoritatively stated that supplies are to be divided between the German and Alsatian works in the ratio of 70 to 30, the costs of propaganda being borne by both parties also in the same proportion. A central distribution bureau, it is stated, will be opened in Holland for the purpose of allocating orders to the German and Alsatian works on the agreed basis.

South African News

From "C. & D." Correspondents.

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

The Union

MEDICAL, DENTAL AND PHARMACY BILL.—A scathing criticism of this Bill is published in the "South African Review" by a Johannesburg correspondent, who points out that the measure should be split up into a Medical and Dental Act and a Pharmacy and Poison Act, as in most civilised countries. "For years" (the correspondent says) "the medical profession's policy has been to bar the public against relief from sickness and suffering except under control of the medical practitioner, commonly called 'doctor,' though but few ever become M.D.s." A recent example of this policy (he says) was the Patent Medicine Stamp Tax, which was actively supported by the doctors; also the incorporation of the Habit Forming Drug Regulations in the new Bill which is to prevent the public obtaining such relief as they are entitled to except throughout the intermediary of a doctor. Other objections to the Bill include the fact that doctors have reserved to themselves the right to dispense their own prescriptions, although they have not been trained in the art of dispensing.

REVISED CUSTOMS DUTIES.—In the course of his Budget statement in the Cape House of Assembly, Mr. Havenga, Minister of Finance, said it was the intention of the Government to place a revised customs tariff before the House for consideration. The principles contained therein are briefly:—

(a) The adequate protection of Union industries.
 (b) The admission free of duty or at the lowest rate possible of the raw materials of industry.
 (c) The adjustment of the preferential tariff rates given unconditionally in favour of goods grown, produced or manufactured in the United Kingdom, and reciprocally to the Dominions, Colonies and Possessions. The Government propose to place them, as far as possible, on a *quid pro quo* basis, and to withdraw the rebate entirely on articles in which Great Britain predominantly holds the market, or where a proprietary name or trade mark is the determining factor in the sale of an article.

The amount of duty rebated on goods of British and Dominion origin in 1924 was approximately £950,000, namely, £860,000 to Great Britain and £90,000 to the Dominions. Under the revised scale the total rebate granted will be approximately £300,000 to Great Britain and £50,000 to the Dominions.

Mr. Havenga added that if it was on a strict *quid pro quo* basis it would not be £300,000, but £200,000. Members would see, he said, that it means about 50 per cent. more than if it had been really on a *quid pro quo* basis. While the rebate is thus withdrawn in certain cases, it is retained in other cases, and even increased from the present rate of 3 per cent. to rates ranging from 5 per cent. to 10 per cent. A list of articles on which preferential rates of duty will apply will be printed. The new Customs Tariff (with maximum and minimum columns) became operative in the Union on April 9. It comprises 372 items, and the United Kingdom is to enjoy the minimum rates in respect of twenty-two items. Some of the more important increases in the customs duties include baking powder, the rate of increased import duty being 8d. per lb., and disinfectants in bulk, the rate of increased duty being 5 per cent. *ad valorem*. No rebate is allowed on baking powder or disinfectants in bulk from the United Kingdom. The Union of South Africa largely draws her supplies of baking powder from the United States of America, her imports from that source in 1923 being valued at £99,665, against £88,851 in 1922; only £18,777 was imported from the United Kingdom in 1923, against £9,835 in 1922. Disinfectants imported in 1923 amounted in value to £53,749, against £53,850 in 1922; of this amount in 1923 £47,180 was derived from the U.K., against £50,504 in 1922.

Cape Province

DUTCH PATENT MEDICINES AS INTOXICANTS.—At the Philip's Town Police Court, De Aar, Cape Province,

on March 30, Solomon Segal, general dealer, of Paauwpan, was fined £50, or six months' imprisonment, for unlawfully supplying, in contravention of the Liquor Laws, to a farmer, Nicholas Stephanus Bezuidenhout, large quantities of certain Dutch medicines containing a high proportion of alcohol, well knowing that such medicines were not required for medicinal purposes. From June 10, 1912, to February, 1923, the accused sold 9,409 bottles of Ormonde's Remedy and 32,572 bottles of other Dutch medicines. Many of the empty patent medicine bottles were found on Bezuidenhout's farm, that gentleman having used the medicine as an intoxicant. Analysis showed that Ormonde's Remedy contained 41.3 per cent. alcohol, pynstillende droppels 45.2 per cent., paregoric elixir 59.8 per cent., and verstek droppels 56.6 per cent. alcohol by volume.

PHARMACEUTICAL SOCIETY OF CAPE PROVINCE.—A special general meeting was held in the Board Room, Markham's Buildings, Cape Town, on April 1, 1925. Mr. Clancy (President) was in the chair, and there were present, among others, Messrs. Hill, A. Rojtowski, H. Rojtowski, Lazarus, Hughes, Sleggs, Sloan, and Buxton (honorary secretary). The agenda for the Conference of the Associated Pharmaceutical Societies of South Africa (which is being held this year at Durban on April 21) was considered. It was agreed to support the resolutions down for discussion, notice of which was given at the last annual conference. These resolutions dealt with alterations in the memorandum and articles of association. With regard to the numerous resolutions submitted by constituent societies, it was agreed in most cases to instruct delegates to support, in some cases to be guided by discussion, and in a few instances to reject. Messrs. Linley and Lazarus will be the Cape Province delegates at the Conference.

Natal

MR. R. H. COLLINS, Ph.C., has recently accepted the appointment of pharmacist at the Addington (Government) Hospital and Medical Stores, Durban, Natal, resigning, at the same time, that of lecturer in pharmaceuticals at the Technical Institute of the University of the Witwatersrand, Johannesburg. Mr. Collins, who has resided in the Transvaal for some years, was Fairchild Scholar in 1912, afterwards going to the "Square" and taking Minor and Major in 1913-14. He saw five years of active service during the war, both in West Africa and afterwards in France.

ADVERTISEMENTS BY DRUGLESS HEALERS.—At a meeting of the Natal Pharmaceutical Society in Durban on February 11, Mr. M. W. Stranack proposed, and it was agreed, that a letter be sent to the Associated Societies drawing attention to certain advertisements (unsigned) which had been appearing in the Durban newspapers with the object of attracting the attention of the public to the fact that the Medical, Dental and Pharmacy Bill was being "rushed" through Parliament and that those interested in securing freedom for drugless healers should wire each member of Parliament immediately. The meeting was of the opinion that the Associated Societies should endeavour, in some manner, to counteract these advertisements, and while holding no brief either for or against drugless healers, the meeting felt that such persons should only be allowed to practise their calling after obtaining some recognised diploma, otherwise the time might come in the future when some side branch of pharmacy might be as similarly affected as medical skill appeared to be to-day.

Orange Free State

PERSONAL.—Mr. S. Taylor, Orange Pharmacy, Bloemfontein, left for Durban on April 16 to represent the O.F.S. Pharmaceutical Society at the annual conference of the Associated Pharmaceutical Societies of South Africa. —Mr. Nilson M. Wilkins was the only successful candidate at the recent examination for chemists and druggists held at Bloemfontein. Four candidates presented themselves. Mr. Wilkins served his apprenticeship with his father at Boshof. He leaves shortly to take up an appointment in Parys.

Legal Reports

Dentists' Renewal Fee Cases.—At Liverpool Police Court, on May 5, Mr. F. C. Pugh, chemist and druggist, Smithdown Road, was fined £2, with 21s. costs, for holding out that he was prepared to practise dentistry. The defendant said he had put aside and overlooked the form of renewal of his dental certificate.—At the same court, Herbert Labouchere, Lawrence Road, was fined £10, with costs, for practising as a dentist without renewal of registration. A constable called and was examined for the filling of a tooth. It was stated that the defendant had been cautioned; he sent the fee on receipt of the summons, but it was declined.

Bottle Account Dispute.—In the Mayor's and City of London Court, on May 1, the International Bottle Co., Ltd., Fore Street, E.C., made a claim against Mr. Morgan W. James, manufacturing chemist, Tudor Street, Cardiff, for the sum of £12 for perfume bottles supplied. Mr. H. Strouts, solicitor for the plaintiffs, said that the defendant had returned goods since action to the amount of £7 4s., and had paid a cheque for £5 3s. 6d. The credit and payment made up the amount of the claim and a further sum of 7s. 6d. on account of costs. In the proceedings a suggestion was made by the defendant that the plaintiffs had sent goods in excess of those ordered. An order was made for the defendant to pay £1 19s., balance of costs due upon the summons. Later Mr. Strouts said he was informed that the cheque which had been sent by the defendant was returned marked "R.D." and in those circumstances he would ask for judgment for £4 16s. beyond the price of goods returned, and for costs upon the total amount sued for. Mr. L. G. Reading, clerk in the employ of the plaintiffs, gave evidence as to orders received from the defendant. Judgment was given for the plaintiffs for £4 16s., with costs.

Purchasing a Business.—In the Chancery Division of the High Court, London, on May 1, an action by Mr. Charles Herbert Dixon, Ph.C., Berkhamsted, and Mr. William Morell, chemist and druggist, Richmond, against Mr. Ernest Henchley, chemist and druggist, West Southbourne, Bournemouth, was settled before Mr. Justice Tomlin. The plaintiffs claimed the return of the sum of £495 paid as deposit on the purchase of the defendant's business and of the lease of the premises, on the ground that the takings were not as represented and that the plaintiffs had not been informed of certain restrictive covenants in the lease. The allegations were denied. Mr. Spens, K.C., for the plaintiffs, stated that all the parties were engaged in the business of chemists, and that the plaintiffs got into touch with the defendant through advertisements in *The Chemist and Druggist Supplement*. The purchase price of the property was £3,000 and of the business £1,950. While Mr. Dixon was giving evidence Mr. Galbraith, K.C., for the defendant, stated that in his opinion the business was now worth as much as when he sold it to the plaintiffs, and that before the matter came into court he offered to cancel the contract and return the deposit. The only difference between the parties was with regard to the costs. There was also a charge of misrepresentation which had not been withdrawn. After a consultation between counsel, Mr. Galbraith announced that a settlement had been arrived at. He said he felt he would have been in considerable difficulty in establishing that the plaintiffs had sufficient knowledge of the restrictive covenants. Mr. Henchley would return the deposit of £495 within fourteen days and pay an agreed sum in discharge of costs. At the same time, the plaintiffs unreservedly withdrew all allegations against Mr. Henchley and accepted his record of the takings as correct.

Dangerous Drugs Act Fine.—At Lambeth Police Court, London, on April 30, Mr. William Walter Banbury, Newington Butts, S.E., was summoned for having on December 16 failed to enter in a register kept for that purpose a supply of 2 oz. of cocaine hydrochloride purchased and obtained by him from Evans Sons Lescher and Webb, Ltd. On a second summons the defendant

was proceeded against for having on February 2 supplied a preparation of cocaine, containing more than 0.1 per cent. of cocaine, to some person unknown. There was a third summons against him for having failed to enter in the register a purchase of 2 oz. of cocaine hydrochloride made on February 14, and a fourth complaining that he supplied cocaine hydrochloride to a person in the United Kingdom, viz., himself, otherwise than in accordance with the terms and conditions of a licence to be in possession of such drug. A plea of "Guilty" was entered to the first and last summonses, and was accepted by the prosecution. Mr. Knight, prosecuting, said that it was found by an inspector of the Home Office that a large quantity of cocaine hydrochloride was being consigned to the defendant by Messrs. Evans Lescher. On February 17 the inspector called on him to find out what was being done with the drug. The defendant produced his register, which was badly kept, and when it was examined it was found that something like 80 oz. of cocaine hydrochloride had been consigned to the defendant since October 1921. That was an abnormal quantity for a business of this kind. On December 16 he received 2 oz., but there was no entry of the receipt of that. The defendant said he took some of the drug himself for catarrh. The defendant had no right to take it himself or to supply it to anyone else without a medical prescription. The defendant admitted that he used some of the drug in the preparation of lotion and ointments, and that he had supplied those preparations to customers. He appeared to have used one part in 70 in the ointment. Mr. H. Glyn-Jones, who appeared for the defence, pointed out that the defendant, who was seventy-eight years old, had been a chemist for fifty-five years. The magistrate remarked that the defendant was liable to a penalty of £250 upon each of these summonses, or a long term of imprisonment. Having regard to what had been said by counsel, he would impose a fine of £20, with £10 10s. costs, upon the first summons, and a penalty of £20 upon the fourth. The second and third summonses would be withdrawn.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday or the week before the meetings, etc., occur.

Thursday, May 14

Salford Pharmaceutical Association, 40 The Crescent. Annual meeting.

Friday, May 15

Royal Institution of Great Britain, 21 Albemarle Street, London, W., at 9 p.m. "Recent Developments in Magnetism," by Professor C. G. Darwin, F.R.S.

Gazette

Bankruptcy Acts

RECEIVING ORDER

DAVIS, A., 88 Banner Street, E.C.1, and 266 Stamford Hill, N.16, importer of toilet brushware.

RECEIVING ORDER AND ADJUDICATION

HUGHES, J. H., Red House, Llandilo, Carmarthenshire, chemist and druggist.

TANZANIA BEESWAX.—The exports from Tanganyika Territory in 1924 were valued at £44,666, against £24,758 in 1923; the quantity exported last year was 8,497 cwt.

TASMANIA'S IMPORTS.—According to the official statistics issued by the State of Tasmania during the year 1922-23, among the more important imports (with their values) into Tasmania during the year 1922-23, were the following:—Cream of tartar and substitutes £7,837, drugs and medicinal preparations £60,677, fertilisers £123,898, insecticides and disinfectants £18,781, perfumery and toilet preparations £10,207, essences, etc., £7,888. The total value of drugs, chemicals and fertilisers amounted to £293,205.

New Companies

and Company News

P.C. means Private Company and R.O. Registered Office.

BLAKE'S MEDICAL STORES, LTD. (P.C.).—Capital £1,000. Objects: To acquire the businesses carried on at Bristol, Liverpool and Belfast as Blake's Medical Stores, Ltd., and to adopt an agreement with C. Key, and to carry on the business of chemists, druggists, advertising agents, printers, publishers, manufacturers and vendors of medical and surgical appliances, surgical rubber goods, etc. The directors are:—C. Key and Annie L. Key.

JOHN TIMPSON & CO., LTD. (P.C.).—Capital £3,000. Objects: To acquire the business carried on by John Timpson & Co., Ltd. (now in liquidation), and to carry on the following businesses: (A) Vendors of all proprietary and other articles and all preparations and manufactures wherever made, of Upjohn Pill and Granule Co., of Kalamazoo, Michigan, and the Mackenzie Medicine Co., Ltd., of London, and all goods and manufactures that the said companies respectively may from time to time deal in, control, or be interested in; and (B) manufacturing wholesale, retail, consulting and analytical chemists and druggists, etc. The directors are:—E. H. Selby and A. E. Butterfield. R.O.: 106 Golden Lane, London, E.C.1.

DUBARRY PERFUMERY CO., LTD.—The accounts show a profit for the year of £42,571. After providing for $7\frac{1}{2}$ per cent. dividend on the cumulative preference shares, staff bonus, income-tax and corporation profits tax, a final dividend of 45 per cent., less tax, is being paid on the ordinary shares, making, with the interim dividend of 15 per cent., 60 per cent. for the year. The reserve fund is increased to £20,000, and the balance carried forward is £5,869, against £2,580.

BENGER'S FOOD, LTD.—The net profit to March 31, 1925, was £56,508, which, with £11,480 brought forward, gives a disposable balance of £67,988. Out of this directors have paid interim dividend on cumulative preference shares to September 30, also an interim dividend of 9d. per share, free of tax, on ordinary shares, and have transferred £12,500 to reserve. These appropriations absorb £30,125, leaving a disposable balance of £37,863, which directors propose to deal with as follows:—Balance dividend on preference shares, absorbing £4,500, and further dividend of 1s. 3d. per share, free of tax, on ordinary shares (2s. for the year), and carry forward £11,488.

PARKES CHEMISTS, LTD.—The report for the year ended February 28, 1925, states that the sum of £650 10s. 5d., required for the depreciation of leases, has been met, as usual, out of revenue, as well as £1,831 4s. 4d. expended on repairs, renewals and dilapidations. After allowing for the above, there remains £9,549 14s. 10d., out of which the directors have appropriated for the fixtures depreciation and stock reserve funds £1,320 1s. 9d., leaving a net available balance amounting to £8,229 13s. 1d., from which has been paid an interim dividend on the preference shares, at the rate of 6 per cent. per annum, less income-tax, and an interim dividend on ordinary shares of $2\frac{1}{2}$ per cent., less income-tax. The balance now remaining is £5,538 16s. 8d., and from this the final dividend on preference shares for the year, amounting to £1,190 16s. 5d., was paid on March 20 last; and it is now recommended that a final dividend of 5 per cent., less income-tax, be paid on the ordinary shares for the half-year, making, with the interim dividend of $2\frac{1}{2}$ per cent., less income-tax, already paid, $7\frac{1}{2}$ per cent. for the year, leaving a balance of £1,348 0s. 3d. to be carried forward. Upon passing the present accounts and the adoption of the report, the reserve funds will stand at £27,803 15s. 11d. Having in mind the importance of equipping the company's premises in as attractive and up-to-date manner as possible, the directors have arranged to carry out considerable alterations and improvements at certain branches. The retiring directors are Mr. George K. Herrick and M. Darryl Wainford-Davis, who, being eligible, offer themselves for re-election.

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 30,	Mar. 30,	Apr. 30,
	1924	1925	1925
	s. d.	s. d.	s. d.
Allen & Hanburys, 7% Prefd. Ord.	21 0	21 3	21 0
Amalg. Dental Co. 8% Prefd. Ord.	—	20 0	20 0
Deferred 5s. ..	—	6 3	5 6
Apollinaris and Johannis, Ord. £1. ..	8 9	9 0	8 9
Ayrton, Saunders & Co. 7½% Pref.	15 3	15 0	15 3
Beecham Estates & Pills, 8% cum. Pref.	21 6	20 6	20 9
Benger's Food, Ord. ..	36 6	36 9	36 9
Boake(A.), Roberts & Co., 5% Pref. £10	£6½	£6½	£6½
Boots Pure Drug, Ord. ..	123 9	132 6	137 6
Boots Pure Drug, 7% "A" Prefd. Ord.	23 6	24 0	24 0
Boots Cash Chemists (Southern), 6% "A" Pref. ..	21 6	21 6	21 9
Borax Consol., Defd. Ord. ..	43 0	37 3	38 0
Bovril, 6% Pref. ..	22 6	22 0	21 6
Ord. ..	24 0	25 3	24 3
Defd. ..	46 9	49 3	44 0
British Celanese, Ord. ..	8 0	8 3	8 9
7½% Pref. ..	11 0	13 0	13 9
British Cyanides, Ord. ..	9 3	6 0	6 3
British Dyestuffs Corp., 7% Pref. ..	12 9	10 6	11 0
Prefd. Ord. ..	6 6	5 3	5 0
British Glues and Chemicals, Ord. ..	4 0	3 3	3 0
8% Pref. ..	12 3	12 0	13 6
British Oil and Cake Mills, Ord. ..	24 6	23 9	23 0
British Oxygen, Ord. ..	35 6	35 3	34 3
British Photographic Industries, 6% Cum. Pref. ..	5 0	8 6	8 9
Brunner Mond, Ord. ..	38 9	41 6	42 0
7½% Pref. ..	28 6	28 0	28 0
Bush (W. J.) & Co., 5% Pref. £5	67 0	67 6	67 6
Cadbury Bros., 6% Pref. ..	24 0	24 0	24 6
Callard, Stewart & Watt, Ord. ..	31 3	33 6	32 6
5½% Pref. ..	17 6	17 0	17 6
Crosfield (Joseph) & Sons, 6½% Pref.	20 3	20 6	20 9
Dubarry Perfumery, Ord., 1s. ..	4 6	5 0	6 6
7½% Pref. ..	19 3	18 9	19 3
Eastman Kodak Com. (no Nom. Value)	\$118½	\$115	\$114
Evans Sons Lescher & Webb, Ord. ..	5 0	5 9	5 6
5% Pref. ..	7 9	8 9	7 9
Field (J. C.) & J., Ord. ..	16 3	16 3	16 3
7% Pref. ..	20 0	20 6	20 9
Gossage (William), 6½% Pref. ..	19 9	21 0	21 0
Grout & Co., Ord. ..	50 6	52 0	52 6
Heppells, 7% cum. partic. Pref. ..	17 6	21 9	21 0
Idris & Co., "A" Ord. ..	17 6	15 0	16 3
Ilford, Ltd., Ord. ..	24 0	26 9	27 6
6% Pref. ..	19 3	19 6	19 6
Intern. Sponge Importers, 6% Pref. ..	10 6	11 3	12 6
Kent (G. B.) & Sons, 5½% Pref. ..	13 0	13 0	13 3
Knight (John), 25% Prefd. Ord. ..	63 0	62 6	62 0
Lever Bros., Ltd., 7% Pref. ..	21 6	21 4½	21 6
8% Pref. ..	21 3	21 0	21 1½
20% Prefd. Ord. 5s ..	11 0	10 9	11 0
Liebig's Ext. of Meat, Ord. £5 ..	£15½	£15½	£15½
Mellin's Food, 6% Pref. ..	12 0	12 0	12 6
Mond Nickel Co., Ord. ..	44 6	42 9	42 3
7% Cum. Pref. ..	25 6	24 6	24 9
Nathan (Joseph) & Co., 7% Pref. ..	15 0	14 3	14 0
8% Prefd. Ord. ..	7 6	8 0	7 6
National Drug and Chem. Co. of Canada, 6% Pref. ..	15 0	13 6	11 3
New Transvaal Chemical Co. 6% Pref. ..	17 6	17 9	17 6
8% Pref. ..	21 0	20 6	20 9
Salt' Union, Ord. ..	28 6	30 9	28 0
Pref. ..	29 6	31 0	27 6
"Sanitas" The Co., 9% Pref. ..	25 0	23 9	25 0
Schweppes, Ltd., Ord. ..	21 0	23 3	22 9
Defd. ..	29 3	27 6	28 0
Smith (Stephen) & Co., 6% Pref. ..	29 6	31 6	31 3
Southall Bros. & Barclay, Ord. ..	57 0	55 3	53 0
5% Pref. ..	19 0	18 9	19 0
Spratt's Patent, Ord. ..	40 0	40 6	41 0
Stevenson & Howell, 6½% Cum. Pref. ..	20 0	20 0	20 0
United Alkaï, Ord. ..	39 0	41 6	42 0
United Glass Bottle Man., 7% Mt. Deb. Stk., £100 ..	£102	£104½	£104½
Venesta Ltd., Ord. ..	26 6	23 9	23 9
7% Pref. ..	20 0	20 7½	20 0
Veno Drug Co., 8% Pref. ..	—	20 1½	20 0
Virol, Ltd., Ord. ..	82 6	85 0	90 0
7% Pref. ..	23 0	23 0	23 0
White (A. J.), Ltd., Ord. 10s. ..	7 0	6 3	6 3
White (R.) & Sons, 6% Pref. ..	16 9	17 6	17 6
Prefd. Ord. 10s. ..	6 6	8 0	7 0
Wright, Layman & Umney, 6% Pref. ..	19 6	19 4½	19 9

Retail Pharmacists' Union

Executive Meeting

MEETINGS of the Executive of the Retail Pharmacists' Union and the Chemists' Defence Association, Ltd., were held at 19 Tavistock Square, London, W.C.1, on April 28 and 29. There were present: Messrs. Clubb, Förster, French, Gillegan, Hague, Hardy, Jackson, Keall, Keith, Marshall, Martin, Melhuish, Phillips, Rowell, Scholes, Smalley, Tranmer, and Young.

ELECTION OF OFFICERS

Mr. John Hague, Lincoln, was elected *Chairman* of the R.P.U. and the C.D.A., Mr. A. E. Young *Vice-Chairman*, and Mr. P. F. Rowell *Treasurer*; Mr. J. E. French was re-elected chairman of the National Health Insurance Committee; Mr. H. Gillegan, of Leeds, was elected chairman of the Price Protection Committee; and Mr. A. R. Melhuish was elected chairman of the Business Training Committee.

THE LABELLING ORDER

A letter from the Privy Council giving the view of the department that the words "British Pharmacopœia and British Pharmaceutical Codex or Supplement thereto" do not refer only to the current editions of these books, and that it will be a sufficient compliance with the Order in Council if the words "B.P." or "B.P.C." as the case may be, with the word identifying the edition, are stated on the label.

DEPUTATION TO TREASURY

Mr. A. R. Melhuish reported that he had taken part in a deputation to the Treasury regarding: (1) Retrenchment in national expenditure; (2) reduction in the rate of income-tax; (3) assessment of co-operative societies on trading profits and surplus; (4) restoration of the 1d. post; (5) restoration of the 1d. stamp for cheques and receipts; (6) an inquiry into the enormous cost of public assistance in its various forms.

TESTING OF DISPENSING SCHEME

The secretary reported that pressure was being brought to bear on Pharmaceutical Committees in some areas to allow modifications of the official scheme. These changes were mostly in connection with the substitution of a Committee having representatives of the medical profession in place of the Pharmaceutical Service Subcommittee. The Executive decided that such modifications should not be approved, as they considered the Pharmaceutical Service Subcommittee the most suitable Committee for dealing with the testing of dispensing. They instructed the secretary to inform the Ministry of Health that such modifications should not be approved.

It was decided to tender evidence before the Royal Commission on National Health Insurance.

Bournemouth.—The annual meeting of the Bournemouth Branch was held on May 1, at which Mr. H. J. Martin explained the nature of the authority given to the Executive Committee by the delegates at the Conference on representation before the Royal Commission. Officers and committee were appointed for the year, Mr. Hubert J. Martin being re-elected *Chairman*, Mr. Victor J. Scampton will act as representative on the Committee of the Bournemouth Chamber of Trade.

Ipswich.—A meeting of the Ipswich and Suffolk Branch was held on April 30, at which a discussion on the Dangerous Drugs Acts was held. Attention was drawn to Parke, Davis & Co.'s invitation to Hounslow Works. It was agreed to keep to the R.P.U. price list for photographic work.

Leamington.—The Warwickshire Branch met on April 23, Mr. Hutton in the chair. The secretary was instructed to continue his correspondence with a firm of proprietors of disinfectants, and several replies from manufacturers of proprietaries were read. It was decided to send a resolution to headquarters deprecating the increasing use of the coupon schemes of advertising.

A Jubilee Celebration

On April 30 Wilkinson & Simpson, Ltd., wholesale druggists, Low Friar Street, Newcastle-upon-Tyne, attained their jubilee. The business was originally founded by an apothecary, Turner, in 1759, on a site in Newgate Street, but unfortunately the records of this business were lost in a fire in 1882. Turner was joined by Akenhead, the business being carried on under the name of Turner & Akenhead, and later, on the death of Turner, was carried on by Akenhead, but under the same name. From Akenhead the business passed into the hands of Joseph Fairs, who had a druggist's business in Gateshead. Joseph Fairs was a well-known figure, being one of the liquidators of the Northumberland, Durham and District Bank when it failed. It was with Joseph Fairs that the late Mr. T. T. Wilkinson and Mr. T. Simpson served their apprenticeship, the former commencing in 1856 and the latter two years later. The staff consisted of two assistants, four apprentices, and one porter. Joseph Fairs died in 1875 at the age of seventy-four, but five years prior to this he had been succeeded by the late Mr. T. T. Wilkinson. In 1875 Mr. Wilkinson was joined by Mr. Simpson, who had been manager to John Ismay & Sons, and the warehouse was adapted to the wholesale trade. The business was then carried on under the name of Wilkinson & Simpson, 24 Newgate Street, which was a private house. The street had now been widened, Fairs' old shop being the last to be pulled down. In 1882 these premises were burnt down, and business was temporarily carried on in the Bigg Market. Much historical druggist's apparatus was lost in this fire, but a marble mortar, an iron mortar, and the old phoenix sign were salved. These are all in use to-day. After the fire additional premises were bought and the warehouse rebuilt in up-to-date style. The premises were further added to by the purchase of 36 Newgate Street. Here for several years manufacture and packing of Natural Health Salt and many other proprietaries was carried on. The steady growth of the business about the year 1891 necessitated additional premises in Dispensary Lane, to which the manufacturing and packing departments were gradually transferred. In 1897 Mr. Simpson, owing to ill-health, retired from the more active participation of management, and a limited company was formed, with Mr. Simpson as chairman of directors. The first directorate consisted of: L. Williamson (managing director), T. T. Wilkinson, J. L. Wilkinson, G. Gibson, J. D. Kinnis, G. H. Snowdon, and I. T. Walton (secretary and treasurer). It is interesting to note that, with the exception of Mr. T. T. Wilkinson, all the members of the first directorate are alive to-day, though Messrs. Snowdon and Kinnis retired a few years ago. Though the staff has seen many changes during the fifty years of business, the following list gives proof of the excellent relationship which has existed during this period. There are at work to-day: Three with over forty-five years' service, two with over forty years' service; five with over thirty years' service; nine with over twenty-five years' service, five with over twenty years' service. In 1921 the opportunity of joining the factory, warehouses, laboratory and offices came, and a large property adjoining the factory was purchased in Low Friar Street, enabling the whole of the business to be conducted under one roof. The buildings are equipped for the rapid execution of orders, and the most extensive and comprehensive stock is systematically arranged in the various departments. The present directorate is: Messrs. R. Simpson (chairman), H. W. Noble (managing director), L. Williamson, J. L. Wilkinson, G. Gibson, H. Wilkinson, T. M. Simpson, and I. T. Walton (secretary and treasurer).—At the close of the annual stock-taking, on April 30, Mrs. Wilkinson cut a specially made birthday cake, and on behalf of the staff Mr. Williamson asked Mr. Simpson's acceptance of a silver salver. In his reply, Mr. Simpson referred to the goodwill existing between the staff and the directorate.

"BUBBLES," Vol. IV, No. 3, has, *inter alia*, a budget of witty and humorous stories by Lord Dewar, and an authentic history of a famous advertisement.

Safeguarding Industries

The Superphosphate Inquiry

A LITTLE more progress was made by the Committee which is considering the application to impose a duty on imported superphosphate (*C. & D.*, April 4, p. 499; April 11, p. 549; May 2, p. 651), when the proceedings were resumed on April 30. The case for the Fertiliser Manufacturers' Association (who are the applicants) was not completed, because witnesses who have yet to be heard have not yet been able to attend the inquiry, but it was completed so far as it was possible to do so. Mr. Alfred Ellis (representing the National Farmers' Union, the Ulster Farmers' Union, and the National Farmers' Union of Scotland) was not prepared to proceed with his case until the applicants' case was concluded, but the Committee were able to hear the evidence of Mr. George Baylis (a farmer), who appeared independently, and Mr. R. G. Patterson (representing the Central Chamber of Agriculture), both of whom opposed the imposition of a duty. At the same time, the Committee's work has been still further extended, for, following the receipt of a letter from the Diamond Colour and Chemical Co. (merchants), of York, relating to the cost of manufacture of superphosphate in Belgium, and to foreign competition generally, it was decided to ask Mr. Van den Bergh, a representative of that company, to give evidence. It was also considered desirable to invite a representative of the National Smelting Co. to give evidence on the question of the production of sulphuric acid as a by-product of the zinc smelting process.

Some consideration was given to the question of what constituted an export bounty. Among the instructions to these Safeguarding of Industries Committees is the statement that competition is not to be deemed to be unfair unless it arises from depreciation of currency operating so as to create an export bounty, and, obviously, the proper interpretation of that phrase is a matter which must govern other committees of a similar character. Sir Cassie Holden (for the Fertiliser Manufacturers' Association) suggested the manner in which this matter should be dealt with, namely, by taking into consideration the internal and external value of foreign currency, and he took Belgium as an example. Assuming the cost of manufacturing a ton of superphosphate in Belgium was 207 francs, and that that, based on the cost of living in Belgium, was equivalent to £2 15s., he could not say that the difference between that figure and the cost of production in England, namely, £3 8s., constituted a bonus to the Belgian manufacturer. But, if the value of the 207 francs at the exchange rate was, for example, £2 10s., the difference between that and the £2 15s., namely, 5s., per ton, did constitute a bonus, because it was due to the depreciation of the franc, and he was entitled to claim that as an unfair advantage for the purposes of this case. There was also a bonus in respect of the difference in cost of labour as between this country and Belgium. Assuming that the internal value of the franc in Belgium, based on the cost of living, were 80 to the £1, and taking the figure which he had given in evidence as the cost of labour in this country, namely, 1s. per hour, the equivalent cost in Belgium would be 4 francs. The evidence given showed that the cost of labour in Belgium was about 2.25 francs per hour; and therefore the difference between the exchange value of the 2.25 francs and the 4 francs constituted an unfair advantage to the Belgian manufacturer, which Sir Cassie submitted he was also entitled to take into account.

BRITISH SULPHURIC ACID SUPPLIES

Attention was then directed to the problem of the sources of sulphuric acid supply which were available, apart from the superphosphate industry. The applicants had argued that, if the superphosphate industry was not assisted, the sulphuric acid producing capacity of the country would be reduced, which was undesirable from the point of view of national safety, whilst the Chairman's view was that, if new sources of sulphuric acid arose, as, in the case of that obtained as a by-product of zinc manufacture, the applicants' argument was weakened.

Colonel R. L. NORRINGTON (director of Charles Norrington & Co., Ltd., Cattedown, Plymouth) dealt with the point on behalf of the applicants. He had been informed by those who should know, he said, that under present arrangements the maximum amount of sulphuric acid that could be produced by the entire zinc smelting works in the country was about 100,000 tons per annum, which was about one-tenth of the present abnormally low total consumption in the United Kingdom. The sulphur was contained in the zinc concentrates used by zinc smelters as a raw material, and the smelters had to get rid of practically all of it, otherwise their product would be ruined. It was not an easy matter to dispose of the sulphuric acid produced without loss, or at a profit, especially as the sulphuric acid resulting from zinc manufacture was produced largely in one place, namely, Avonmouth, and the transport of acid was difficult and expensive. In fact, he believed the zinc smelters regarded the sulphuric acid produced as a liability rather than as an asset.

It was pointed out by the Chairman that the figures showed that there was still a very large quantity of acid produced from sources other than superphosphate and zinc manufacture, and he wanted to know where it came from. The reply was that it was made by other manufacturers of acid for sale to various industries. The superphosphate trade was the largest absorber of sulphuric acid in times of peace, and if the superphosphate manufacturers were compelled, by unfair competition, to close down, they would also have to close down their sulphuric-acid plant and diminish the output capacity of the country. The witness also dealt with the prices of foreign superphosphate, and produced a letter which he had received as recently as April 24, in which foreign 30 per cent. superphosphate was offered at 49s. per ton c.i.f., and 35 per cent. superphosphate at 55s. per ton c.i.f.

The Fertiliser Manufacturers' Association's case was not proceeded with beyond this point.

OPPOSITION FROM AGRICULTURISTS

Mr. GEORGE BAYLIS (a farmer, of Newbury) opposed the imposition of a duty, and dwelt upon the effect which a duty on imported superphosphate, and consequently an increased price, would have in reducing the amount of arable land, which already did not pay for cultivation.

Mr. R. G. PATTERSON, O.B.E. (who represented the Central Chamber of Agriculture, a body representative of landowners, tenant farmers and workers in the United Kingdom), was the final witness. The Chamber, he said, were of opinion that a duty on superphosphates would mean increased prices to the farmer, resulting in a reduction of the demand, and a reduction of the produce from the land. Employment in the superphosphate manufacturing industry would also be reduced. There would be a sympathetic advance in other phosphatic and complete fertilisers (and there was practically no compound manure sold to-day which had not some phosphate in it); applications for protection by makers of other agricultural necessities; and an all-round advance in the farmers' costs of production. It was not wise to leave the fixing of the price of any article in the hands of a powerful group of manufacturers, the restraining influence of the equivalent foreign article being removed.

Replying to the Chairman, he could not say that an increase of 10s. per ton in the price of superphosphate would result in displacing a single agricultural labourer, but the tendency resulting from the placing of a tax on imported superphosphate would be for makers of other agricultural necessities to ask for protection and increase their prices. The cumulative effect would then be to displace a great deal of labour. The Chairman's answer to this was that all applicants for protection had to prove that they had to meet exceptional competition, and it did not follow that they would all establish a case; but, even if they did, the effect on agriculture would depend upon the extent to which the cost to the farmer was increased.

It was pointed out by Sir Cassie Holden, in regard to the suggestion made by witness that the control of any article should not be in the hands of a powerful group of manufacturers, that he had offered at the outset that the Minister of Agriculture, or some Government body, should control the price of superphosphate.

The Committee adjourned until May 13.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist & Druggist,' 42 Cannon St., London, E.C.4."

QUALITATIVE ANALYSIS FOR JUNIOR STUDENTS

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture may contain metallic and acidic radicals occurring in the British Pharmacopœia, or any of the commoner radicals not mentioned in that work, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, not a stamp merely) will be received up to Tuesday, May 12, on which day the samples will be posted. Students' reports will be received up to Saturday, May 23. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

SPECIAL NOTICE.—The prizes in this analysis will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, *which fact must be attested on their reports*. Others may obtain specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as *hors concours*. Correspondents who do not state that they are preparing for a Qualifying examination will be included in the latter list.

Report on the April Analytical Exercise

THE powder distributed to students on April 7 contained one part by weight of antimonious oxide, eight parts of calcium phosphate, and one part of sodium citrate. The calculated composition of such a mixture is:—

Sb	...	...	...	...	...	8.3
Ca	...	...	...	...	...	31.0
Na	...	...	...	...	...	1.9
PO ₄	...	...	...	...	...	49.0
C ₆ H ₅ O ₇	...	...	...	...	...	5.3
O	...	...	...	...	...	1.7
H ₂ O	...	...	...	...	...	2.8
						100.0

Traces of magnesium and of a chloride were also present as impurities.

Samples of the powder were distributed to fifty-two students, and ten reports were returned for examination. Antimony and the phosphoric acid radical were detected in every case, but three students missed the calcium and one did not report the sodium. In no instance was the citrate detected. The small proportion of water evolved when the powder was heated was overlooked by a single student. Constituents reported which were not present included iron, barium, potassium, sulphate, carbonate, tartrate, and benzoate.

This exercise was one of moderate difficulty and such as students might attempt with some confidence at the close of a session's work. Consisting as it did of two substances insoluble in water and one easily soluble, the powder presented an excellent example for the separate examination of an aqueous extract, but this occasionally exceedingly helpful step was not resorted to. When an aqueous extract was prepared and evaporated to dryness, a residue was left, portions of which could be charred by heating dry or with concentrated sulphuric acid, and evidence obtained of the probable presence of a tartrate or a citrate. Even on the scale necessitated by the small quantity of residue available, it was possible by aid of the usual tests to prove tartrate absent and citrate present, but this demanded some care both in manipulation and in observation.

The behaviour of the powder towards hot hydrochloric acid, dilute and concentrated, seemed to present itself to different students with varying degrees of difficulty, some reporting and endeavouring to operate upon extremely small quantities of insoluble matter, while others obviously handled noteworthy quantities. The consensus of opinion was to the effect that a portion was insoluble in hydrochloric acid and in aqua regia, but separate examination of the undissolved portion did not, as a rule, lead to the reporting of any constituents not already met with in the dissolved portion. It was the antimonious oxide in the mixture which gave rise to any difficulty regarding this matter. While the greater part of the oxide dissolved pretty rapidly in hot hydrochloric acid, a part offered some resistance to this reagent and only passed very slowly into solution. On prolonged boiling, however, and with the occasional further addition of concentrated acid, the difficultly soluble matter eventually disappeared entirely—a result which does not seem to have been attained by any student.

As a phosphate mixture, requiring the adoption of a special phosphate separation, the exercise was of the simplest kind, and apparently from this aspect it did not cause difficulty to any of our correspondents.

The numerous reports of the presence of a sulphate are most likely to be attributed to the employment of impure sodium carbonate in preparing solutions to be tested for acidic radicals. This is a matter which should have the attention of those in charge of teaching establishments, since sodium carbonate free from sulphate and chloride is obtainable and is a requisite where accurate work is desired.

The number of students who reported on this analysis is disappointingly small. Probably the slender response on this occasion is due in part to the analytical tournament having reached its closing stage, and in part to the incidence of the Easter vacation.

PRIZES

The First Prize for the best analysis has been awarded to:—

NORAH S. BOLD, College of Pharmacy, Manchester.

The Second Prize has been awarded to:—

L. H. BOARDMAN, College of Pharmacy, Manchester.

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher, naming the book or books they select.

MARKS AWARDED FOR ANALYSES

N. S. Bold (1st Prize)	84	Aero	...	...	...	77
L. H. Boardman (2nd Prize)	83	Serer	...	...	...	72
Erin	80	Harcos	...	...	...	69
Massa de Jujubis	80	Opiate	...	...	...	62
Vacuum	80	Rea	...	...	...	62

TO CORRESPONDENTS

N. S. BOLD.—You did not derive as much information from preliminary tests as these were capable of furnishing. Thus, on heating the powder with concentrated sulphuric acid, there was a distinct evolution of gas bubbles accompanied by slight darkening in colour, whereas you did not observe either of these results. Again, on testing the solubility of the powder in water you found "apparently none soluble"; but if you had evaporated a few drops of the filtered liquid to dryness upon a watch glass you would have had a residue of sodium citrate left. The collective information obtainable from these tests might have led you to apply other tests that would have resulted in the detection of the citrate.

L. H. BOARDMAN.—It is probable that the precipitate which you obtained on adding ammonium acetate and acetic acid in Group III consisted of calcium phosphate, which may be precipitated at this stage if acetic acid is not present in due proportion.

ERIN.—The evolution of "choking fumes of SO_2 " on heating the powder with concentrated sulphuric acid could not indicate the presence in it of a sulphate; but perhaps you inadvertently wrote sulphate instead of sulphite. The reducing effect of the citrate was the real cause of the evolution of sulphur dioxide.

MASSA DE JUJUBIS.—Your position in the list would have been different if you had observed and reported the evolution of water when the powder was heated in a dry tube. It is, as a rule, easy to observe such evolution even when the quantity is exceedingly small, and, if observed, it should not be left unreported merely because water is a commonplace substance.

VACUUM.—Note that although benzoic acid sublimes on heating, this is not a characteristic of benzoates as a class.

AERO.—Had your test for a citrate been carried out with a concentrated aqueous extract from the powder it is almost certain that you would have obtained a positive result. See the general remarks.

SFRER.—The darkening which occurred when the powder was heated with concentrated sulphuric acid was only slight, and it did not take place rapidly.

HARCO.—Repetition of several tests you mention did not yield the results you report. Gas evolution did not take place when the powder was heated with dilute sulphuric acid, and carbon dioxide could not be detected. A black mirror was not produced on heating the powder with soda lime. The faint trace of a chloride present gave a recognisable turbidity with silver nitrate, but nothing that could by any stretch of imagination be regarded as a curdy white precipitate.

OPIATE AND REA.—It is difficult to understand how you failed to obtain any indication of the presence of calcium, seeing that the quantity of this metal present greatly exceeded that of the antimony and the sodium.

THE ANALYTICAL TOURNAMENT

With the exercise reported upon in the foregoing, the analytical tournament for the Winter Session comes to a close. In all, 73 students took part in the competition, and the meritorious reports sent in each month showed that good work was being done by many of them. Features in this year's competition have been the closeness of the aggregate marks obtained by many of those near the top of the list and the large amount of attention which was given to the tournament by students in the Manchester district. It is noteworthy that a considerable proportion of the monthly awards have gone to students in that district, while all three of the tournament prizes are to find the same destination with a lady student occupying the premier position. As on previous occasions, we noted with real regret the withdrawal from the competition during the course of the winter of so many who started in November.

The first place in the tournament has been taken by AUDAX (Miss Norah S. Bold, Manchester College of Pharmacy, Oxford Road, Manchester), whose aggregate marks amount to 538, with the praiseworthy monthly records of 93, 91, 92, 86, 92, and 84, and to her the first prize of books, to the value of £3 3s., with a certificate, has been awarded.

The second prize of books, to the value of £2 2s., with a certificate, has been awarded to ERIN (Mr. J. Corteen, 9 York Place, Oxford Road, Manchester), whose aggregate marks amount to 518, made up of 93, 87, 87, 84, 87, and 80.

The third prize of books to the value of £1 1s., with a certificate, has been awarded to HARCO (Mr. Harold Scott, 292 Liverpool Road, Patricroft, Manchester), whose aggregate marks amount to 515, made up of 79, 93, 89, 95, 90, and 69.

We extend our congratulations to these prize-winners on the results of their persevering efforts, and request them to communicate at once with the Publisher, stating the titles of the books which they desire as prizes.

Golfing Events

A golf match, played on Tynemouth course, on April 29, between Northumberland and Durham chemists, resulted as follows:—

	Northumberland	Durham	
J. Bell	0	R. Thursfield	1
T. S. Stonier	1	J. Walker	0
J. Thompson	1	F. Harrison	0
W. Gilchrist	1	R. Anderson	0
H. Sharp	1	R. Crow	0
A. McBryde	0	W. Pickering	1
R. McClumpha	1	G. Iredale	0
— Heyes	0	T. Armstrong	1
J. Carr	0	J. G. Harrison	1
W. Cosans	1	E. Michelson	0
— Miller	0	F. Armstrong	1
— Ratcliff	0	T. Brooks	1
Total	6	Total	6

The first of this season's competitions of the London Chemists' Golfing Society took place at the West Essex golf course on April 30. The Rowland Stagg prize was won by Mr. F. C. Jones, who also won the captain's (Mr. G. F. Deeth's) prize; but as no member may take more than one prize at a meeting, the captain's prize goes to the runner up, for which position Mr. A. Leith and Mr. M. W. Carmichael tied and have to play off. The leading scores were:—

	Medal	Bogey
F. C. Jones	88-17=71	F. C. Jones ... all square
H. W. Bartlett	80-1=79	A. Leith ... 2 down
B. Yule	83-3=80	M. W. Carmichael 2 down
E. A. Geddes	92-12=80	W. Gray ... 3 down
G. F. Deeth	88-7=81	W. Main ... 3 down
J. W. Skelley	96-12=84	H. Kemp ... 4 down
D. J. Parry	96-9=87	A. W. Daniel ... 8 down
W. Gray	96-8=88	R. Ward Jones ... 9 down
C. Holdstock	106-18=88	
H. Kemp	106-18=88	
A. W. Daniel	104-12=92	
J. Deas	109-18=91	
R. Ward Jones	116-18=98	

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Tooth Brush.—A tooth brush of which the handle is made wholly of metal, provided with a hollow back or frame, one end of which carries the bristles and is easily removable for cleansing. (E. L. H. Cosby. 231,753.)

Soap Solutions.—An apparatus for forming a solution of soap of definite concentration for continuous delivery, for cleaning and washing purposes. (F. Y. McKenney, W. H. Cheney, and The Kelly Manufacturing Company. 231,656.)

Bronchial Adapter.—A bronchial adapter to fit over an ordinary kettle spout, consisting of a long tube with a notch at one end, and a box-shaped steam spreader tapering to a narrow outlet at the other end. (J. D. Andrews. 231,578.)

Hydrogen Cyanide.—A process for the manufacture of hydrogen cyanide, based on the interaction between ammonia and carbon monoxide at high temperature, under pressure and in the presence of a catalyst. (Deutsche Gold- und Silber-Scheideanstalt vorm. Roessler. 226,824.)

Hardening Colloids.—A process for hardening colloids, based on the addition of a substance which is not in itself a hardening agent, but which produces this effect by a suitable reaction; e.g., ferrous ammonium sulphate is incorporated in a gelatin solution, and the latter spread on a support; when immersed in a solution of potassium bichromate there is a controlled hardening of the gelatin by the formation of a ferric and chromic compound. (Action-Gesellschaft für Anilin-Fabrikation. 231,564.)

The Chemists' Exhibition

A Visitor's Impressions

THE perennial interest and the apparently growing popularity of chemists' exhibitions, held so frequently, is a matter both for wonder and congratulation. This week's exhibition, organised by the "British and Colonial Pharmacists," and held in the Holland Park Hall, Holland Park Avenue, London, W., from May 4 to May 8 inclusive, goes far to explain this success. One speaker, at the opening ceremony, described this, the twenty-ninth exhibition, as "far the best so far"; and the statement did in this case seem just and exact. It was evident that more care than ever had been expended by organisers and exhibitors alike. The stands were more ornate, more carefully designed and artistically arranged than before; and the exhibition hall has been well chosen, for it is easily accessible from anywhere, while it is well lighted and ventilated, and the exhibition has the great advantage of appearing upon a single floor. This time there was an opening ceremony. The first speaker was Mr. John Keall, whose duty it was to introduce the chairman of the Retail Pharmacists' Union, Mr. John Hague, ex-Mayor of Lincoln. Mr. Hague, in declaring the exhibition open, displayed his gifts as a teller of humorous stories. When he was in London recently he was first mistaken for a bookmaker, and afterwards for a taxi-driver! He disclaimed any personal merit in being selected for the honour as opener—the honour was to the R.P.U., not to him. Mr. E. T. Neathercoat followed in a speech both eloquent and comprehensive, and in proposing a vote of thanks to Mr. Hague referred to the latter's public life and work in Lincoln. Finally came Mr. Melhuish, who seconded the vote of thanks.

Drugs, Chemicals and Pharmaceutical Products

Now let us look at some of the exhibits. We will take first those of more purely scientific and pharmaceutical interest. HOWARDS & SONS, LTD., have a fine display, especially pleasing to the pharmacist interested in chemical and medicinal developments. They show a range of solvents, such as sextate (cyclohexanol acetate) for use in manufacturing—as in connection with essential oils, fats, soaps, rubber, etc.; sextone, avantine (which is isopropyl alcohol), and so forth. Synthetic menthol, at about half the price of the natural product, was prominently displayed; and Messrs. Howards call particular attention to Agotan, which is equivalent to the quinophan of the B.P.C., "only better," as the representative said. Then one noticed a bold display of Howard's hydrogen peroxide, which has long been held to be a standard preparation, and has just been put on the P.A.T.A. list. Packed goods formed also a prominent part of the display, especially tablets of all descriptions (most notably Howard's aspirin). Some beautiful samples of pure drugs are worthy of mention—e.g., salicylates, tartrates, mercurials, iodides, quinine salts and their derivatives. A. WANDER, LTD., have a very artistically arranged stand, and their appeal is to the pharmacist proper. Their newest preparation is Jecomalt, now becoming well known. It is a preparation of malt and cod-liver oil in powder form, and obviates the repugnance evinced by most children for cod-liver oil taken neat. Wander's well-known lines were all effectively displayed—e.g., Ovaltine, Cristolax (malt and paraffin), Marienbad tablets, and a wide range of own-name goods. Then the stand of GENATOSAN, LTD., makes an essentially "professional" appeal. Their newest product is Nasmint, a snuff for catarrh. They specialise in a high grade of calf lymph, and recommend buyers to communicate with them for special terms. Cystopurin (a urinary antiseptic), Sanatogen, Genasprin and Formamint were all displayed neatly and attractively. TRUFOOD, LTD., have a stand which makes its appeal primarily to the scientific pharmacist. It is claimed that Trufood, when mixed with water in

the right proportion, yields a product which is indistinguishable from natural milk in every essential particular. For example, it can be mixed with rennet to form a junket. There are two varieties of Trufood. Finally comes Secway, a whey in powder form; by adding water to it one obtains whey, which is often needed for delicate children. Then, among the scientific stands, that of OPPENHEIMER, SON & CO., LTD., takes a high place. Their newer products include Oscols, which are colloidal solutions the demand for which is increasing. They show a fine range of ampoules, calling particular attention to those of Pituitrin, Renaglandin. Their pulverettes, palatinoids, bipalatinoids, Roboleins, and various specimens of atomisers are also on view. MENLEY & JAMES, LTD., make a strong appeal. Naturally their Iodex looms large in all its applications—e.g., Iodex Skin Soap, Iodised Throat Tablets, as well as Iodex itself, plain and with methyl salicylate. The company manufacture and pack as tablets a specially pure aspirin; and the remainder of the stand is taken up with packed goods of many kinds.

Again, the exhibit of PARKE, DAVIS & CO. contains a vast range of products likely to hold the scientifically minded. Vaccines and serums attract attention, as does Dibromin, which is dibrom-malonyl-ureide; it is a powder for solution in water to form an antiseptic lotion for wounds, etc. Metagen is prominently displayed—a vitamin-rich preparation. It is sold as Metagen and also as Metagen and Cod-Liver Oil Emulsion. Then there is Neo-Protosil (protein-silver-iodide, soluble in water and yielding a colloidal solution), chloretoine, and haemostatic serum. Messrs. Parke, Davis's hydrogen peroxide was displayed, along with such constantly demanded proprietaries as Cascara Evacuant and Euthymol. Euthymol Tooth Paste, with its selling aids, made an effective display. F. C. CALVERT & CO. are showing their famous proprietaries—e.g., carbolic acid in various degrees of purity, carbolic soap, tooth powder and tooth paste, ointment and shampoo soap. Some elegant specimens of drugs are also shown—e.g., sodium sulphocarbolate. J. M. SMITH & CO., LTD., also specialise in disinfectants, and as usual they are making an attractive display. They show lysol, Smith's Antiseptic Fluid, Zymate Tooth Paste, olive oil (packed and in bulk), carbolic tooth powder, carbolic disinfectant powder, and so on. A new line is Pinogen toilet rolls, the paper of which is impregnated with Pinogen. At the stall of DESHELL LABORATORIES, LTD., one line only is shown—Petrolagar, a self-explanatory name referring to an emulsion of petroleum in agar-agar. It is attractively packed.

There is no need to admonish the scientific visitor to call at the stall of BRITISH COLLOIDS, LTD.: he is drawn there instinctively. Among new collosols may be mentioned Lactalumina, which, as the name indicates, is a colloidal solution (or "milk") of alumina, and is used as a mouth wash or gargle. Alumina in this form is sixty times as absorbent as magnesia. Collosol Argentum Tooth Paste is something of a novelty, as also are Collosol Iodine Throat Pastilles (very palatable, by the way). Collosol Bromide (protein and bromide) is gaining in favour with doctors, and is indicated in epilepsy. Now we come to the stand of ALLEN & HANBURY'S, LTD., who also are making colloidal preparations—Osmo Kaolin and Osmo Calamine. Preparations of the endocrine glands are suitably displayed, notably Elixir Polyglandin and Elixir of Red Bone Marrow. Then come oils, especially cod-liver oil (from their own factory at Lofoten), olive oil and petroleum. Byno preparations are given a comprehensive display. Allenbrys rusks, as well as a full list of the Torch brand packed lines, are among the well-known A. & H. goods shown. On a separate stand is seen an artistic display of Torch Hair Tonic and Torch Sunburn Lotion. MILTON PROPRIETARY, LTD., are displaying a new line—Milton Ointment; an efficient pneumatic spray for use in the house, theatres, churches, etc.; and a new size of Milton, as well as the usual sizes and styles. WRIGHT, LAYMAN & UMNEY, LTD., appeal to both the scientist and the man of business with their coal-tar

products—soap, shaving sticks, shampoos, and so forth. Then comes Lysol in all sizes, and a whole range of packed goods. Other lines are Wright's Fruit Saline, attractively packed, and a range of perfumed products also prettily packed, known as the Grasse Rose range—bath crystals, shampoo powders, and talcum. Other stands to be classed in the same way are those of J. C. ENO, LTD., whose Fruit Salt lends itself to striking display, thanks to well-chosen colours; the THERMOGENE CO., LTD., the colour of whose cartons never fails to catch the eye; AYRTON, SAUNDERS & CO., LTD., whose stall is an example of the encyclopaedic, and whose maxim, "Everything for the pharmacist," is clearly no exaggeration; THOMAS CHRISTY & CO., whose stand is also very comprehensive; DAE HEALTH LABORATORIES, who have "taught us all" to use Veet; JOHN MORGAN RICHARDS & SONS, LTD., agents for Colgate's and other famous goods; ARTHUR H. COX & CO., LTD., manufacturing chemists and specialists in packed lines, medicinal and toilet, an ever up-to-date house; the BE-ZE-BE HONEY CO.; GLAXO; HORLICK'S MALT MILK CO.; ZEE-KOL MANUFACTURING CO.; WHITE BAND MANUFACTURING CO.; SEMPROLIN CO., LTD.; W. T. OWBRIDGE, LTD.; VAYPOCIDE, LTD.; and R. W. PHILLIPS, LTD.

Toilet Preparations and Requisites

Now to toilet goods, and most of them are so displayed as to lay siege to eye and nostril simultaneously. Special mention must be made of MORYN FRÈRES, whose stand is the most tasteful and ornate that has perhaps ever been seen at a chemists' exhibition. Soap, perfumes, face powders, toilet creams, bath crystals, and all the paraphernalia of the toilet are arranged in a manner which merits the admiration of all visitors. Two series call for particular mention—Fantaisie and Nocturne, both of which exist as perfume, face powder, talcum and soap. Another novelty is Moryn's Crème Carnaval, a greaseless rouge in pots in various colours. A compact powder is packed in a novel "gold" case with mirror and detachable powder-block. Moryn's vanity book is worth looking at—it looks like a prayer-book, and contains powder, paste and lip-stick. EUGENE RIMMEL, again, have a stand scarcely less seductive. They call particular attention to their new Crème Marimon, a semi-liquid cream for whitening the hands. Special prominence is given to the perfumes Vocalise and Ma Mie Annette, and to Fraxi perfumes, soaps, powders and sachets. SPURWAY & CIE, LTD., specialise in and display a great number of essential oils—notably geranium, lavender, neroli, rose, peppermint, santal, thyme, juniper and aniseed. Their perfumes, again, are subtle, distinguished and "out of the common," and are beautifully packed. Particular mention should be made of Lilas-Lilas, Golden Poppy, Persian Garden, and Scents of Araby—just the things for the chemist who wants to sell perfumes that are uncommon and yet reasonably priced. Their Yvonne puff is something of a novelty: the powder is inside the puff, and cannot spill. DENTAL MANUFACTURING CO., LTD., have one or two lines of pharmaceutical interest, chiefly Dr. Wernet's Powder for retaining artificial teeth, and Dr. Waite's Dental Cream. BROOKS-WEIR, LTD., have a novel stand, interesting for different reasons to both sexes; they specialise in uncommon perfumes—just the perfumes for the chemist desiring to establish a reputation for novelty. Other artistic toilet stands are those of KOLYNOS, LTD., leaders in tooth-paste advertising; the PEPSODENT CO., who offer many advertising novelties; HUSSEY, DAWSON & CO., makers of aluminium ware for all purposes; INNOXA PRODUCTS, who specialise in a toilet "milk" for use in place of soap; SALTRATES, LTD., whose ornate stand is a prominent feature of the exhibition; POUDRE NILDE, whose elegant products and showcards lend themselves so readily to effective display; BRIDGEN & GRIFFEN, specialists in beautiful and luxurious puff bowls; T. F. BRISTOW & CO., LTD., who have long realised the value of care and thought in display matters, and whose Georgian soaps are so elegant and seductive; the PALMOLIVE CO., another firm

who specialise in artistic show matter and advertising "stunts"; ODCON, LTD., whose bath crystals, soap and perfumery not only catch the eye, but tempt the buyer with their reasonable prices; and FASSETT & JOHNSON, LTD., who furnish another example of comprehensiveness in display.

Miscellaneous

Among miscellaneous displays, mention must first be made of CRESWELL BROTHERS. Here are sponges, not only in thousands but in every size, from that of a walnut to the dimensions of a chair-seat. The method of display calls for congratulation, for the difficult feat has been accomplished of displaying nearly every individual sponge. Bottle-makers are well represented by BEATSON, CLARK & CO., LTD., the keynote of whose merchandise is quality. Here one may see every conceivable sort and size of bottle, plain and stoppered, for every purpose in pharmacy. Printing is represented by several firms. SUTTLEY & SILVERLOCK, LTD., show their high-class methods in labels, bill-heads, posters, counter-bills, cartons, and so forth. Much the same may be said for the WALSALL LITHOGRAPHIC CO., who specialise in cameo-embossed seals, and for WILKINSON BROS., LTD. BROWN & SON are showing a still for the making of distilled water by the pharmacist. The ROBERTS' PATENT FILLING MACHINE CO. have machinery for filling bottles, tins, tubes and practically every receptacle with liquids, powders and ointments. A machine can be supplied, for example, to take ointment of any consistency. The X.L. SHOWCARD MACHINE CO., LTD., sell a machine to enable the chemist to make his own showcards, labels, etc. The NEWCASTLE CORK SUPPLY CO. make corks and cork articles for every purpose—from cork paper to cork mats, and from the smallest vial cork to the largest bung. G. H. ZEAL, LTD., specialise in clinical thermometers, and call particular attention to the "Sentinel," which is easy to use and is packed attractively. FRANCIS NEWBERRY & SONS, LTD., may be described, in Hibernian phrase, as specialists in comprehensiveness. They supply everything the pharmacist may require, from "patents" to own-name goods, and from recondite drugs to the commonest toilet article. THE SORBO RUBBER SPONGE PRODUCTS, LTD., have a well-arranged display of their well-known and much-advertised Sorbo sponge. The stand of the APOLLINARIS CO., LTD., drew many visitors. A similar remark applies to the exhibit of INGRAM & ROYLE, LTD. MR. LIONEL COOPER is the agent for Dols Volatilise Flannel, which is displayed in many forms; for Salvitæ, a uric-acid solvent; and for "Milesia," a magnesium hydrate tablet, soluble and palatable. The SCHOLL MANUFACTURING CO.'s stand has a plenitude of remedies and appliances for the feet; ointments, plasters, powders, lotions, etc., for various foot troubles are also displayed in great variety. Rubber ware is well represented by the RELIANCE RUBBER CO., LTD., and by J. G. INGRAM & SON, LTD. Here the visitor finds almost everything in rubber that can be made of that substance, from teats to mats. R. ADDIS & SON, who are so well known for their specialism in tooth brushes, are enterprising enough to demonstrate some of the processes that are involved in the making of these brushes, and the finished article is to be seen in every size, style and price. R. H. ALLEN & CO. are showing a wide range of packed proprietaries. PLAINAR, LTD., are displaying some essential oils that come from Australia—chiefly sandalwood, eucalyptus, araucaria boronia, and sweet orange oils. THE SANAWAVES CO., LTD., are displaying galvanic batteries, which yield a weak current for remedial purposes. Each battery lasts three years without recharging. The stand of GROUT & CO., LTD., is worth looking at, for here one sees the well-known Nervic crêpe bandages in all sizes. A balance on the stall proves that each bandage is above B.P.C. standard. A novelty also displayed is the Vic Tonic Face Cloth, for imparting that "school-girl complexion" so much coveted by the middle-aged. The SPARKLETS stand has a number of novelties to show—as, for example, an apparatus for making carbon dioxide snow for local anaesthesia, spa radium bulbs (for charging water with radio-active salts), and the Sparkoline, which is a seltzogene, charged with a sparklet bulb, for making liq. magnes. carb., and holding three pints.

Personalities

MR. G. R. JONES, chemist and druggist, Llanrwst, has been elected overseer of the poor.

MR. E. E. EVANS, chemist and druggist, Aberdare, has been elected High Constable of Miskin Higher.

MR. R. L. WILSON has been appointed a director of J. Brown & Co., Ltd., manufacturing chemists, Savile Town, Dewsbury.

MR. SAMUEL W. FAIRCHILD and MR. B. TAPPEN FAIRCHILD, who have been in London and Paris on a short business trip, return to New York on May 9 by the "Aquitania."

We have received since we last went to press several more letters urging, in terms similar to those mentioned in our last week's issue, the claims of Mr. H. M. Lloyd, J.P., for re-election to the Council of the Pharmaceutical Society.

WHEN a motor-car accident occurred about midnight in Coldharbour Lane, London, S.W., recently, Mr. Dan Davies, chemist and druggist, who had retired to bed, rendered first-aid to the injured in the street in his pyjamas. "Bis dat qui cito dat."

MR. E. HERBERT MORRIS (Morris & Groves, advertising agents, 7-8 Rolls Passage, Chancery Lane, London, E.C.4) is a pharmacist who has achieved a considerable reputation in the advertising world.

Mr. Morris began his advertising career as a literary assistant to Burroughs Wellcome & Co. In 1918 he was chosen by Sir Herbert Austin for the post of advertising manager to the Austin Motor Co., Ltd., Birmingham. For three years Mr. Morris was engaged in this work and in editing "The Austin Advocate," a journal devoted to motoring. Afterwards he occupied a similar position with Lotus, Ltd., shoe manufacturers, Stafford, Stone and

Northampton. In association with his new partner, Mr. Francis R. Groves, himself an artist of distinction, Mr. Morris will have a wider scope for the exercise of his gift for making commercial subjects attractive to the public.

MR. J. W. FANN, chemist and druggist, Ropley, has resigned his position as churchwarden after completing a second period of twenty-five years' service. Mr. Fann, who is ninety years of age, was for the earlier of these long terms of office a warden at St. John's Church, Grimsby. He lives two miles from his church at Ropley, a distance that he walked every Sunday till two months ago.

PROFESSOR B. BRAUNER, of the Czech University, Prague, celebrated his seventieth birthday on May 8. He studied several years at Manchester, and is best known in England for his researches on the rare-earth elements and for his association with the International Committee for Atomic Weights. In commemoration of his birthday his friends and pupils have published a "Jubilee Volume" (chiefly in English) containing their recent original researches in all branches of chemistry.

FROM reports of the Canadian journey of Sir William Glyn-Jones received since our issue of May 2 appeared, we learn that his meetings have been marked by great enthusiasm. At Montreal there were present officials of the Retail Druggists' Association, wholesalers, C.P.R. representatives, and, of course, representatives of the Press. The two following days were spent in interview-

ing manufacturers, wholesalers, retailers and pressmen representing various interests. During the visit to the city a private dinner was given in Sir William's honour, the other guests including leaders of the banking world. At St. John and at Montreal alike, a party of ladies piloted Lady Glyn-Jones and Miss Glyn-Jones in their sightseeing. About 400 people were present at a meeting at Montreal on April 9. Easter was spent in Toronto; and during the week-end Sir William and his party were driven to Niagara Falls, which they viewed from both sides of the river. On Easter Monday Sir William lunched at Hart House, a College of Toronto University, with professors of pharmacology and allied subjects, and discussed pharmaceutical education with them. He was made a member of the Ontario College of Pharmacy, afterwards addressing the assembled students. Another meeting of about 400 retailers was held in Ontario; and similar, if smaller, gatherings were subsequently held at Hamilton, London, and Windsor.

Westminster Wisdom

By the "C. & D." Parliamentary Representative.

THERAPEUTIC SUBSTANCES BILL

This bill was down for second reading in the House of Commons on May 5, but was not reached. It is now down for May 11.

DISTILLERIES IN GREAT BRITAIN

In reply to questions in the House of Commons on May 5 the Chancellor of the Exchequer said that the information in the possession of the Board of Customs and Excise shows that at the present time there are 138 distilleries at work in Great Britain and Northern Ireland. Of these 118 produce alcohol for beverage use only, five for industrial use only, and 15 for both beverage and industrial use. The total amount of allowances paid to methylators in the year ended March 31, 1925, in respect of spirits used for making power and industrial spirits, was £118,759.

THE GROCERS' P.A.T.A.

Mr. A. V. Alexander asked the President of the Board of Trade on May 5 whether his attention has been called to the formation of the Grocers' Proprietary Articles Association for the purpose of fixing minimum prices and controlling supplies of important food commodities; and whether he has requested the Royal Commission on Food Prices to take evidence from the association?

Sir P. Cunliffe-Lister replied that the answer to the first part of the question is in the affirmative. It would, he thought, be preferable to consider the recommendations put forward by the Commission in its first Report before suggesting further specific investigations.

FOREIGN WIRELESS VALVES

Colonel Day asked the President of the Board of Trade on May 5 whether he is aware that large quantities of foreign wireless valves are being imported into this country, and that some of these valves are an infringement upon patent rights held by British manufacturers; that recently several retailers in a small way of business have received writs, issued by the British Thomson-Houston Manufacturing Co., Ltd., who allege infringement of their patent rights; and whether, in view of the hardship inflicted upon these small traders, he is prepared to cause importers of such goods into this country to make declaration to the effect that the said goods do not infringe patent rights held by British manufacturers?

Sir P. Cunliffe-Lister replied that he is aware that wireless valves are being imported into the United Kingdom, and he understood that during the last 12 months legal proceedings have been taken by the British Thomson-Houston Co. against six infringers, four of whom are importers; all these firms are wholesalers, but two do a retail business also. In each case the proceedings were successful. He had no power to require importers of wireless valves to make any such declaration as that suggested in the last part of the question.



MR. E. H. MORRIS

Births

Notices for insertion in this column must be properly authenticated.

ALLEN.—At 20 High Road, Kilburn, London, N.W., on May 1, the wife of W. H. Allen, Ph.C. (C. B. Allen & Sons), of a son.

DAVIES.—At 41 West Street, Old Market, Bristol, on April 26, the wife of Latimer Davies, chemist and ophthalmic optician, of a son.

MILES.—At "Park Dene," Swindon, on April 25, the wife of Vivian Miles (Miles' Popular Pharmacy), of a son.

Marriages

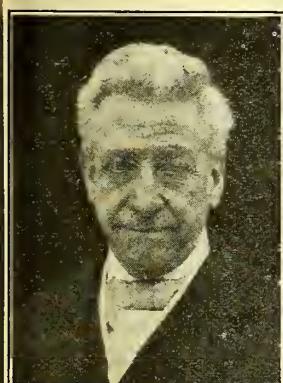
BREAKY—LAMONT.—At the Reformed Presbyterian Church, Ballymoney, on April 13, John James Bryan Breakey, L.P.S.I., to Charlotte Lamont.

JONES—EVANS.—At St. Martin's in the Fields Church, London, W.C.2, recently, the Rev. C. H. Jones, B.A., to Margaret Winifred Evans, chemist and druggist, daughter of Mr. Evan Evans, chemist and druggist, Ammanford.

SMITH—GILL.—At the Parish Church, Pensnett, on April 29, Frank Smith, chemist and druggist, to Emily Gill.

Deaths

LEVERHULME.—At his residence, The Hill, North End, Hampstead Heath, London, N.W., on May 7, William Hesketh Lever, Viscount Leverhulme, chairman of Lever Brothers, Ltd., Lever House, Victoria Embankment, London, E.C.4, and Port Sunlight. Viscount Leverhulme was born in Bolton in 1851, and at the age of sixteen entered his father's grocery business. He commenced on his own account at Wigan ten years later, and in 1885 began the manufacture of Sunlight soap at Warrington. This departure succeeded so well that within a few years the extensive works at Port Sunlight were built and a limited company was formed. This com-



Viscount Leverhulme

pany, Lever Brothers, Ltd., subsequently manufactured glycerin on a large scale and made working arrangements with several other important manufacturers of soap and toilet articles; it now controls more than fifty companies, in addition to its interests overseas. From the first Viscount Leverhulme was a generous employer; the success of his copartnership schemes and of the "model village" at Port Sunlight forms a well-known chapter of industrial history. He represented the Wirral division of Cheshire in Parliament from 1906 to 1910; in the year following his brief career in politics he was created a baronet, and shortly afterwards he presented to the nation the stately mansion known as Lancaster House, now the home of the London Museum. Viscount Leverhulme came into close connection with pharmacy in 1923 by his munificent gift to the Pharmaceutical Society of Great Britain of three scholarships of the value of £60 each. This, which in a lesser man might have been regarded as a *parergon*, was recognised as a manifestation of one side of an intensely vital and dynamic personality; and it is significant that business knowledge is one of the subjects included in the examination papers. Viscount Leverhulme was working to the end of his life, and during the past

few weeks had been visiting West Africa on business. His wife predeceased him in 1913, and an art gallery erected in her memory at Port Sunlight was opened in 1922. Viscount Leverhulme is succeeded in the title by his only son, the Hon. W. Hulme Lever.

BULL.—At Cottenham, on April 27, Mr. Ezra John Bull, Ph.C., late of Buckhurst Hill, Essex, aged sixty-five.

EVANS.—At Southampton, on April 17, Mr. Thomas Maldwyn Evans, chemist and druggist, 9 Bevois Hill, aged fifty-nine.

HALLEY.—At Suva, Fiji, recently, Mr. Robert Halley, chemist and druggist. Mr. Halley, who was a native of Aberdeen, qualified in 1898. He acquired a business in High Street, Elgin, shortly afterwards, and carried it on for five years, when it was purchased by Mr. James Spence, chemist and druggist.

HIGGINS.—At Leyton, London, E.10, on April 19, Mr. Alfred Higgins, chemist and druggist, aged eighty-seven.

HOLTON.—At Strokestown, Ireland, on April 29, Mr. James Soden Holton, chemist and druggist, aged eighty-three. Mr. Holton was a son of the late Dr. Edward S. Holton, Maguiresbridge, co. Fermanagh, and a brother of the late Mr. Joseph Holton, chemist and druggist, Nenagh. The funeral took place on May 1.

JENNINGS.—At 37 Hastings Road, Maidstone, on April 30, Mr. Francis Rice Jennings, chemist and druggist. Mr. Jennings, who qualified in 1878, commenced business in the Broadway, Maidstone, in 1880; fifteen years ago he established a branch at 85 Week Street.

SMITH.—At Taunton, on April 22, Mr. Arthur John Smith, chemist and druggist, aged seventy-five.

WEBER.—At Ringwood, on April 22, Mr. Victor Reginald John Weber, chemist and druggist, aged thirty-seven.

WHEWELL.—On April 28, Mr. William Whewell, J.P. (J. & W. Whewell, manufacturing chemists, Radcliffe, Manchester).

WILSON.—At Chaldon, on April 21, Mr. Joseph Wilson, Ph.C., formerly of Turnham Green, London, W., aged sixty-four.

Wills

SIR GEORGE ANDERSON CRITCHETT, Bt., K.C.V.O., 21 Harley Street, London, W., who died on February 9, left estate of the value of £92,150 5s. 3d., with net personalty £91,632 0s. 10d.

MR. JAMES HENRY GRADIDGE, Ph.C., 52 Auckland Road, Upper Norwood, London, S.E., who died on March 12, left estate of the gross value of £3,960 12s., of which £3,893 15s. 6d. is net personalty. Probate has been granted to his widow, Mrs. Caroline Gradidge.

THE Ministry of Agriculture has issued a warning that spraying fruit trees with washes containing lead arsenate should not be done after buds have opened, on account of the likelihood of killing bees.

HINTS ON ADVERTISING.—Discussing advertising methods in a recent "Morning Post" interview, Mr. L. R. Wasey, an American advertising expert, said:—"Dignified advertising and simple advertising are the surest methods. . . . The days of the slogan are over. Experts found that the public remembered the slogan, but forgot what the slogan was trying to sell. There are very few slogans left in America. Most advertisers try to be too clever. Some director of advertising becomes enthusiastic over an advertisement that appeals to his intelligence, but he over-estimates the intelligences of the people who are going to read his advertisement. That is the sort of man who forgets that the average intelligence of the public is the intelligence of a sixteen-year-old child. . . . I prophesy that Great Britain will be abreast of America as far as advertising is concerned in twenty years."

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1925, p. 289.

(From "The Trade-marks Journal," March 25, 1925.)
 "VANITOR"; for perfumery, etc. (48), and for combs and boxes (50). By S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, London, E.C.1. 454,600/601. (Associated.)
 "ZONDULINE"; for all goods (48). By A. H. Nudds, 14 Belsize Crescent, London, N.W.3. 455,914.

(From "The Trade-marks Journal," April 1, 1925.)
 "MOND TAR BY-PRODUCTS" on triangular device ("Mond" disclaimed); for disinfectants and sheep dips (2). By The Mond Tar By-Products Syndicate, Ltd., 47 Victoria Street, London, S.W.1. 454,165. (Associated.)
 "EVANS"; for disinfectant soap and veterinary embrocation (2), and for toilet articles (48). By Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool. 454,514/515. (Associated.)

"SEEKAY BRAND" under monogram "C K" ("Seekay" disclaimed); for chemicals (2). By The Castner-Kellner Alkali Co., Ltd., Runcorn, Cheshire. 455,645. (Associated.)

"MAGPIE" over device of same; for chemicals (2). By James Miller, Son & Co., Ltd., 79 West Nile Street, Glasgow. 456,680.

"MERMAL"; for a sea-sickness remedy (3). By Duncan, Flockhart & Co., 155 Farringdon Road, London, E.C.1. 453,323.

"GENOL"; for a medicated food (3). By T. Kerfoot & Co., Ltd., Bardsley Vale Mills, Lancashire. 454,090.

"MERCUREOME"; for medicinal chemicals (3). By W. Martindale, 10 New Cavendish Street, London, W.1. 454,754.

"BISMOSAN"; for ampoules (3). By W. J. Patey, 76 New Bond Street, London, W.1. 454,945.

"NIPAL"; for medicinal chemicals (3). By Les Etablissements Poulen Frères, 86 rue Vieille-du-Temple, Paris. 455,609.

"VERSTER"; for medicinal chemicals (3). By M. Cawshaw, 1 Bolton Street, Ramsbottom, Lancashire. 455,869. Device of balloon supporting lower portion of running figure; for medicinal chemicals (3) and for perfumery, etc. (48). By Saltrates, Ltd., 22 Euston Buildings, George Street, London, N.W.1. 455,761/762. (Associated.)

"SKITT'S BRONCO" on oblong label device; for a medicine for coughs and colds (3). By J. H. Skitt, 104 High Street, Ramsgate. B455,860.

"PUCK"; for photographic cameras (8). By Thornton-Pickard Manufacturing Co., Ltd., Atlantic Street, Altringham, Cheshire. 456,204.

"ENERGON" and "ENERGIN"; for food substances (42). By R. Maurice & Co., Ltd., Bridge Road, Willesden, N.W.10. 453,004/005. (Associated.)

"PEPSADE": for beverages (42). By Fred Pickup, 2 Beulah Mount, Woodhouse Street, Leeds. 456,553.

"CHARMIAN": for perfumery, etc. (48). By Burgoynes, Buridges & Co., Ltd., East Ham, London, E.6. 454,884.

"FRAXI": for perfumery, etc. (48). By E. Rimmel, Ltd., 1A Darnley Road, Hackney, London, E.9. 455,641.

"LAVAROMA": for perfumery, etc. (48). By J. Barrington & Sons, Ltd., 202 Great Britain Street, Dublin. 455,995.

"AMOUR AMOUR": for perfumery, etc. (48). By Société Anonyme Jean Patou, 7 Rue Saint Florentin, Paris. 456,062.

(From "The Trade-marks Journal," April 8, 1925.)

"QUELLOKRYT": for all goods (1). By Naamlooze Venootschap W. A. Scholten's Chemische Fabrieken, Eureka Works, Winschoterdiep, Foxhol, Groningen, Holland. 455,091.

"LUCCO": for weed killer (2). By London Chemical Co., Ltd., Dawley Works, Hayes, Middlesex. 449,083.

"AVOX"; on device of egg; for chemicals (2). By A. R. Carnie, 15 Harpur Street, Bloomsbury, London, W.C.1. 454,069.

"ZINO": for medicated salves and ointments (3). By Scholl Manufacturing Co., Inc., 211 West Schiller Street, Chicago, Ill., U.S.A. 449,950.

"AGAROL": for a laxative (3). By W. R. Warner & Co., Inc., 113 West 18th Street, New York, U.S.A. 451,196.

"CARTER'S CASTORETS" on label; for aperient tablets (3). By Carter & Sons, 335 Attercliffe Road, Sheffield. B452,058.

"THYREX": for a mouth wash (3). By R. A. Sweet, 10 Phoenix Place, Mount Pleasant, London, W.C.1. 454,095. (Associated.)

Trade Notes

MONTSEERRAT SHOW-CARD.—This new show-card of Evans Sons Lescher & Webb, Ltd., to which we referred in this column last week, is now illustrated in the company's advertisement.

ADVERTISEMENT INSET.—In this number is a special advertisement section printed in Murillo brown and black. The advertisers are Morny Frères, Ltd., Gerrard Bros., Ltd., and The Lamplough Saline Co.

EDWARDS & GRITTON, manufacturers of pharmaceutical, medical, and toilet specialities, Ancona Works, Plumstead High Street, London, S.E.18, give in their advertisement examples of the prices they quote for packed goods.

BRITISH EMPIRE EXHIBITION.—We have received the following addition to the list of exhibitors given in our issue of May 2 (p. 636) :—Allwood Brothers, J. & E. Atkinson, Ltd., Burroughs Wellcome & Co., Curach (1924), Ltd., Edwards & Gritton, Electro Bleach & By-Products, Ltd., the London Tooth Paste Co.

CORNOL.—Thompson & Capper, Ltd., Manesty Buildings, College Lane, Liverpool, announce that the formula of Cornol has not been altered since ext. cannabis indica became a scheduled poison. It is now labelled: "In accordance with the Pharmacy Act, 'Cornol' is labelled poison; as it contains 2 per cent. of extract of cannabis indica."

IODIZED SALT.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, send us a sample package of the "B.D.H." iodized salt, which was introduced to the drug trade in the company's advertisement in last week's *C. & D.* The package is in the same neat style that The British Drug Houses have adopted for packed chemicals. There are two sizes, 4 oz. and 8 oz.

BERINA FOODS.—Montgomerie & Co., Ltd., Ibrox, Glasgow, have sent us packages of Berina Food and Berina Malted Milk, which were advertised in the *C. & D.*, April 11. Berina Food is packed in round tins, and Berina Malted Milk in square tins with hinged lids, both being enamelled in a distinctive colour. The foods are both in fine powder, the malted variety having a good malt flavour. Both foods contain milk and are for infants' and invalids' use.

PELDO, the preventive of dirty hands, invented by C. R. Harker, Stagg & Morgan, Ltd., Devon Wharf, Emmott Street, London, E.1, was being demonstrated at the Nations' Food Exhibition held recently at Olympia, London. It was the cause of an amusing reference in "Punch" of April 29, where the Peldo demonstrator is shown with his hands covered with tar, motor grease and blacking, which are washed off in the twinkling of an eye. The writer of the article is made to say to the demonstrator, "Look here, I thought this was a Food Exhibition," to which the witty reply is, "This is a skin food."

NEW CATALOGUE.—Reynolds & Branson, Ltd., Leeds, have published a new catalogue of chemical and physical apparatus and chemicals especially intended for those who supply apparatus, etc., to science schools and analytical laboratories. It is a very fine catalogue and begins with a colour plate, plans and pictures of several laboratories designed and fitted up by the company. It is divided into nine sections, of which those devoted to chemical apparatus, physical apparatus, chemical products, microscopical apparatus, and optical lanterns are the most important. The various sections are shown by a convenient thumb index on the edge of the book. Each section is separately indexed.

Information Department

INFORMATION WANTED

M/304. Abbott's Lactigen (for hypodermic injection)	T/45. Oxygen liquid cuticle remover
D/44. Address of T. Riley for	B/24. Rosine perfumes (London source)

Observations and Reflections

By Xrayser II.

Sixty Years Ago

or more, when I was endeavouring by the study, without a friend to guide me, of several formidable volumes borrowed from the library of the Liverpool Chemists' Association to acquire at least the elements of "pharmaceutical botany," the little book with this title that I received a day or two since from the offices of the *C. & D.* would have been a veritable god-send to me. As I turn over its pages, pick up a phrase here and there, and study the figures which illustrate them, the conviction that I was born about eighty years too soon grows upon me. There was "no botany without tears" in those days for the student who had to spend fourteen hours of each weekday in a shop something like half a mile from the nearest green leaf. "Bentley" had, indeed, been published the year before my apprenticeship began; but Bentley did not come my way till some years afterwards, and when it did I had as much to unlearn as to learn. Botany, in itself, one would have thought, the most interesting of studies, was in those days the least so of all those required of the budding pharmacist. Times have changed since then, and this handy and attractive little volume is a sign of the times. Here within the compass of three hundred pages is virtually compressed all that is needed of botanical lore for the purpose of our Qualifying examination, and it is presented in such a way as to stimulate one's appetite for more. Only what we acquire with appetite can we really assimilate. "Pharmaceutical Botany" is a thoroughly interesting book, as I know from having read most of it with "measure in the *C. & D.*, and by making botany interesting it makes the science easy of acquisition.

Mr. Sergeant's Reply

to the criticisms of the chairman of the Edinburgh and South-Eastern Scottish Branch of the Pharmaceutical Society (*C. & D.*, May 2, p. 639) was singularly weak. If it is true that pharmacy is not taught in a shop now, the more is the pity. There is no doubt some truth in the statement; but I understood that the insistence on a certain number of hours of shop training was intended to remedy this, and if this was thought necessary it is a curious anomaly that the possessor of the higher qualification should receive less of the required training than his inferior. "Oh, but," says Mr. Sergeant, "chemists themselves may right that by requiring a longer term of apprenticeship." That is to say, the Society leaves them to do what it set itself to do because it could not force them to do it. To represent the provision for registering University graduates as a *quid pro quo* for refusing the right of chemists and druggists to proceed to the Major examination is a piece of effrontery; it is to recompense us for one injustice by inflicting another. And the President gave us no ground whatever for hope of any revision of the by-laws affecting this matter. It may be true that "no representation on this matter came from any of the branches in the South," but the President knows very well that many of the Southern branches expressed strong disapproval of the by-law. What was the good of making representations when the mischief was done?

Mr. Skinner

will, I hope, be returned for the Council, but this does not affect my wish to see the three new men returned too. Excuse for individual members of the Council there may be, but the fact that they need excuse is shown by the excuses they make for themselves. We need not dismiss them from the Council on this account; it would be ungrateful for past services to do so if without doing it we can make our just resentment felt, and this, happily, we can do. But at all costs the Council must be made to realise our resentment, because only so can the "democratic control" which Messrs. Skinner and Marns declare to be their

own policy be secured. I believe that with Messrs. Beardsley, Ingham, and Cofman-Nicorest, on the Council to help them they would work effectively to this end.

"Democrat's" Excuse

for the apathy of the electorate (*C. & D.*, May 2, p. 658) is a very poor one, or, rather, it is no excuse at all. If there is no life in the body, there will be little in the head. It is because the Council has every justification in past experience for concluding that whatever it does or leaves undone the vast majority of the Society will acquiesce in silently that it ignores us as it does, and there is too much reason to believe that the Council itself reflects in some degree the character of the electorate; that is to say, that many—perhaps the majority—of its members simply acquiesce in whatever is proposed to them by the more forceful few who, with the help, and it may even be under the direction, of the permanent officials, determine its policy. It is clear enough that in the late by-law crisis a good many of its members were dragged along with the rest against their own judgment. A mistaken sense of loyalty, mistrust of themselves, a dislike of putting themselves forward, a desire to stand well with the others, inexperience—very amiable weaknesses, most of them—these and a dozen other things may combine to keep them quiet, and it must be admitted that our mode of election is some excuse for them. One or two new men among a score of experienced ones may well despair of doing any good by opposition, and only one of exceptional force of character has any real chance of making himself felt. It is time to change all this.

The Education Committee

of the Executive of the North British Branch makes the best it can of the fiasco of the delegates' meeting, and seems satisfied with the Council's promise to "reconsider the whole matter" of the co-ordination of the two qualifying examinations two years hence. A good deal may happen in two years; the "whole matter" may, for instance, have so far receded in apparent importance that the Council may forget all about it, or think it negligible; but it is not easy to see how it can be altered without entirely annulling the by-laws relating to it and passing others in their place. In other words, things must either be left as they are, or we must have the whole pother over again. In the latter case we shall at least have an illustration of the truth of the old proverb, "the more haste, the less speed."

The Great Improvement

in the pay for panel dispensing, of which Mr. Bates spoke at the complimentary luncheon in Manchester, is not very apparent to ordinary eyes. "A Pharmaceutical Chemist" in an article on the subject in the "Westminster Gazette" estimates the pay as averaging 4½d. per prescription. This may be a trifle below the actual fee, which, however, is under 5d. Taking it at that, and allowing ten minutes for the dispensing of each prescription—which is not too much when deciphering, noting dosage, labelling, wrapping up, and all the little incidental services involved are considered—the chemist who did nothing else would receive for an eight-hour day of continuous dispensing the sum of 18s., or for a week of six days, £5 8s. In the same number of the "Westminster Gazette" in which the article referred to appeared, it was announced that London milk roundsmen were striking for a pay of £4 a week. A chemist's assistant qualified to dispense could not be expected to require less than this, which would leave his employer a gross profit of about £73 a year on panel work. From this must be deducted this department's share of overhead expenses, which would swallow up most if not the whole of it. Allowance must also be made for deteriorated and dead stock, liability to heavy penalties for practically unavoidable errors, and the general weight of responsibility involved in the work. Puzzle: Find the net value of the work (never mind the "improvement"), and explain the statement of the writer of the article that chemists are satisfied with it.

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Editorial Articles

Poisons Sale Problems

I

THE extension of the Poisons Schedules coming so soon after the publication of the Labelling Order has brought us numerous inquiries on a variety of problems caused in many cases by uncertainties due to the defective draughtsmanship of the schedules. This is surprising, considering that it is generally understood that the Pharmaceutical Society's resolutions were bandied about between several Government departments before the form was finally settled for insertion in the Order in Council. Anyhow, the opportunity of placing the Poisons Schedules on a rational basis has been lost again. Had the principle employed in the Dangerous Drugs Act, 1920, and Regulations been used, we should have had the extension of definition seen in belladonna, diamorphine, ecgonine, emetic tartar, nux vomica, opium and prussic acid entries. Glyn-Jones, in "Law of Poisons and Pharmacy," writes:

"The schedule (now repealed) to the Pharmacy Act, 1868, gave rise to serious difficulties of interpretation." He quotes "prussic acid," and asks: "Did the term 'prussic acid' extend to substances containing prussic acid?" Again in this same schedule was contained "arsenic and its preparations" (this entry was limited in 1908, but is now restored to the old requirement), and he asks: "Was the expression synonymous with 'preparations of arsenic'?" Many of these points are resolved under the *omnibus* clause in Part II, but several ambiguities remain. Again he says: "In those case compounds which contained scheduled poisons . . . it was held that subject to the principle of *de minimis non curat lex*, the sale of a compound was the sale of a poison within the meaning of the Pharmacy Act." He continues: "It is open to doubt, however, whether these judgments decided that the sale of a compound containing a poison in Part I of the schedule was to be treated for the purposes of Section 17 as the sale of the poison it contained." The issue, in a modified form, was before the courts in *Brown v. Leggett*, but he adds: "It is impossible to say definitely that the case is an authority for holding that the sale of a compound containing a very small percentage of strychnine, for example, was to be dealt with for the purposes of Section 17 as if it was the sale of strychnine itself. The question has not been the subject of authoritative ruling." These doubts were resolved in the cases of the poisons specified above on the principle of percentages, but in case of others the doubts were allowed to continue. Hyoscine is an alkaloid coming under the definition of alkaloids, and is obtained from several solanaceous plants, but is not given as an alkaloid of belladonna, though hyoscyamine is included. Hyoscine not being an alkaloid of belladonna, there is no percentage limit for it, such as 0.1 per cent. of belladonna alkaloids. Martindale ("Extra Pharmacopœia") states: "It may be obtained from the mother liquors of hyoscyamine," but this is in reference to the alkaloids obtained from *Hyoscyamus niger*. He adds, further: "For the purposes of the Poisons and Pharmacy Act, 1908, we consider hyoscine as a 'belladonna alkaloid.'" This is clear as to purpose, but it is the strictly legal interpretation which we are dealing with now, and which must be faced. Are tablets containing hyoscine hydrobromide gr. $\frac{1}{100}$ in Part I or Part II of the Poisons Schedule? Martindale's interpretation is Part I. The wording of the reference to alkaloids is: "All poisonous alkaloids, not specifically named in this schedule, and their salts, and all poisonous derivatives of alkaloids." If hyoscine hydrobromide is mixed with sugar of milk and compressed into tablets containing $\frac{1}{100}$ grain of the alkaloid, it is no longer the alkaloid *per se*, but a mixture with sugar of milk, and consequently is in Part II. This is important, as it governs quite a variety of preparations on the market containing the constituents of digitalis and strophanthus. A clue to this interpretation is given by Glyn-Jones ("Law of Poisons and Pharmacy," p. 112) when dealing with the corrosive sublimate entry. The entry in Part I of the schedule is simply "corrosive sublimate," and he adds, "all preparations and admixtures containing corrosive sublimate are in Part II." The question which arises here is: Are solvellaæ of corrosive sublimate for making lotions within Part I or II? From the formula, which shows that the tablets contain mercuric chloride and sodium chloride, they are obviously mixtures, and on that account are to be classed as preparations in Part II, under the so-called "*omnibus*" clause. Arsenic, again, presents difficulties. A correspondent asks us: "In which part of the schedule do arsenical fly-papers come?" The best way to answer that is to examine the definitions governing the use of

the term. The Arsenic Act, 1851, Section VI, defines arsenic as "arsenious acid and the arsenites, arsenic acid and the arseniates, and all other colourless poisonous preparations of arsenic," but the entry in Part I of the Poison Schedule is simply "arsenic," and the interpretation usually given is that it means the element, as, if it does not, many poisonous arsenic preparations would be excluded altogether. Thus all preparations of arsenic come within Part I of the schedule, a much wider phrasing than the Arsenic Act. The question, then, is: "Can arsenical fly-papers be termed a preparation of arsenic?" It would appear that the mixture used to saturate the bibulous paper could not, without a stretch of meaning, be termed a preparation of arsenic; and it therefore comes under the term "admixture" in the "*omnibus*" clause. Arsenical fly-papers are consequently poisons in Part II of the Poisons Schedule. Does the same reasoning apply to weed-killers? They are mixtures, it is true, but, on the other hand, there is a definite preparation of an arsenite, and as such they, with sheep dips, come within Part I of the schedule. So also salvarsan, silbersalvarsan, sulfarsenol, and similar preparations are preparations of arsenium. The method of labelling arsenical preparations under the Labelling Order will present a little difficulty. Is salvarsan or the chemical name correct? The makers, fortunately, give the two, which will probably be sufficient disclosure without confusing the issue by stating the amount of arsenium these articles contain. The terminology used in the schedules is not altogether happy: Does "preparation of" mean the same as "preparation," and what precisely, in poison law, does "admixture" mean? Glyn-Jones states: "A simple solution of atropine is obviously a preparation of atropine, but it is conceivable that a compound of several substances, to which a small percentage of atropine has been added, is not a preparation of atropine, but that it is a preparation or admixture containing atropine. *In view of the uncertainty as to the respective meaning of these phrases*, the following list of poisons has been drawn up upon the principle that 'preparations containing' has a different meaning from 'preparations of' or 'its preparations.'" Yet, in spite of this opinion, many ambiguities remain in the schedules, chiefly, it must be admitted, owing to the development of packed medicines, and Glyn-Jones's book was written when these were scarcely established.

Cheaper Sugar

THE price of sugar in the various world markets has again decidedly weakened during the past few weeks, values having lost more than the moderate improvement recorded in February and March. The circumstances in which the active demand for sugar was brought about during that period were dealt with in our issue of March 14 (p. 388). There has certainly been a lull in the demand for practically all descriptions of sugar, and once again very conservative and even "bearish" views have gained ground as to future developments. Although it is perhaps premature to look for any serious break in prices, two important new factors have been noted lately:—(1) The very large sales of Queensland sugar, variously placed at between 180,000 tons and 230,000 tons, for this country; and (2) the increase of 200,000 tons in Mr. Guma's estimate of the Cuban crop to 4,925,000 tons. The shipments of this Queensland sugar will begin in June, and are to be spread into the closing months of the year. It is understood that all this sugar has been purchased by home refiners on terms which, although not definitely fixed, are based on

a sliding scale subject to fluctuations in the price of Cuban sugar, and will work out at somewhat below the parity-cost of the latter, allowing for the differentiation in the duty on preferential sugar. Obviously these large importations of Australian sugar will tend to curtail this country's demands for Cuban sugar. Some details were already given in our issue of March 14 of the remarkable increases of yield in important producing countries, and also of the enlargement of the world-consumption, while reference was made to the unexpected very large extra outlet this season for Russia, India and the Far East. The filling of the heavy requirements for those countries temporarily operated in the direction of higher prices, and thus held "bear" operations in check. There had even been some talk of a possible curtailment of the Cuban crop estimates from original forecasts, but precisely the reverse has happened, in spite of the recurrence of slight labour difficulties in the island, while the progress of the harvest has been on the whole very satisfactory and the saccharin contents have shown improvement. The more general impression is that the total Cuban yield will not be less than 4,900,000 tons, while up to five million tons has been mentioned, against a little over four million tons for the previous season, so that for two years in succession new high records would be reached. The movement of supplies to Cuban ports was recently rather interfered with by the labour troubles, but later returns indicated a recovery to high watermark, and the accumulation of stocks has been going on steadily. There is no doubt that the surplus stocks over the remainder of this month will reach about one million tons, and this weight of supplies will make itself felt rather more than had been anticipated. In fact, the very hesitating attitude of refining interests already caused concessions to be made by Cuba to terms below those entertained towards the turn of the year. Another important point which has inevitably influenced sentiment is that the returns of European beet-sugar yield have exceeded the highest expectations, and bull operators have been discouraged from their recent aggressive tactics by the fact that the reduction in the Continental beet sowings for the coming crop is not expected to be more than 5 per cent., while the German acreage is anticipated to show even an excess of about 2 per cent. compared with last year. There is no overlooking the huge excess of the European beet production of 2,100,000 tons for this season against the previous campaign, the total being given at 7,175,000 tons, comparing with 5,057,000 tons and 4,574,000 tons respectively for the two previous campaigns. As regards Java, another crop of fully two million tons is looked for, and the only deficit this season worth mentioning relates to the Indian crop, which was reported about 700,000 tons below that of the previous season. This deficit would appear to have been already largely discounted by the effect of the heavy purchases that were made by India from the coming Java crop some time ago, while the Indian demand within the last few weeks has distinctly flagged, and this has brought forth somewhat free resales on behalf of speculative holders. Even assuming that the shipments of Java sugar to India and the Far East will be much greater than last year, a considerable amount of the Java sugar is speculatively held and quite likely yet to be offered for resale later. In the event of consumption being stimulated by favourable weather conditions within the next few months, there is undoubtedly plenty of room for an enlargement of the general demand. Reserve stocks in this country are still at a low ebb and must eventually be replenished, but until confidence is

restored the demand will probably continue chiefly confined to actual needs, which is calculated to test the resistance of shippers, especially in Cuba. The tendency of the transatlantic market lately has been distinctly easier; and the fact has aroused attention that offers of North American granulated sugar to home and Continental ports have appreciably increased, which largely explains the recent lowering of prices on the part of home refiners, albeit offers of Continental beet sugar have continued to be made on a judicious scale. Practically all the Continental markets have been assisted in their resistance to lower prices by the Russian demand, although no reliable statistics are available as to the amount taken up in that direction. It was reported that Poland had already disposed of her entire surplus allocated for export, and that accumulated supplies of Czecho-Slovakian sugar in Trieste were absorbed by Russia apart from the supplies drawn through the northern routes. While many believe that a renewed fall in prices would hardly proceed very far pending a revival of the demand, it remains to be seen how much of the very large Cuban surplus will be absorbed before another crop becomes available near the end of the year. A feature of the market last week was the restoration of the original rate of preference on Empire sugar for ten years, but disappointment is expressed because the alteration is postponed until July 1. Had the full preference been granted at once the market for cane sugar would have been much healthier, as it is now the height of the importing season from the West Indies.

The Struggle for Markets

"ENORMOUS strides have been made by the German chemical industry, all the leading manufacturers of pharmaceutical products have vastly extended their works and fitted them up with new plant, so that, in my opinion, they will be able to supply the requirements of almost the entire universe. The business heads of these works are extremely active; they also grant favourable terms for payment. In Poland they now have found an extensive market for their products," writes a leading Polish wholesale druggist, who is well acquainted with the drug trade in England and in other countries. "The French chemical industry," he continues, "is also trying to gain a footing in the Polish market, but is not very successful. Poland's chemical industry is still in the embryonic stage, and practically all chemicals have to be imported from abroad. English manufacturers should surely realise that a nation of 30,000,000 souls, with a national health insurance law which brings within its scope as insured persons nearly 80 per cent. of the entire population, is a very large consumer of medicaments, and is well worth having as a customer, particularly now that we have a currency that is quoted above par. Really, I cannot understand why English chemical and pharmaceutical manufacturers deliberately, as it appears to me, chose to neglect this market." It is once more the old, often-expressed complaint of the potential customer abroad, anxious to obtain British goods, but confronted by an attitude which to him denotes inelasticity, reluctance, or even suspicion, a treatment which compels him to draw comparisons—and finally, in desperation, place his orders elsewhere.

BRITISH EMPIRE EXHIBITION.—The Middlesex County Council, after discussing, on April 30, the application of early closing and a weekly half-holiday to the British Empire Exhibition, decided that, so far as concerned traders within the grounds, there would be a minimum of interference on the part of the Council, in view of the exceptional nature and temporary character of the exhibition.

Pharmaceutical Society of Great Britain Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on May 6, Mr. F. P. Sargeant (President) in the chair. The absent members were Messrs. Hines and H. O. Lloyd. There were no questions.

DEATH

The PRESIDENT, before the formal business of the Council commenced, made sympathetic reference to the death of Mr. Arthur Peake, chairman of the Lancashire Pharmaceutical Committee, and for many years local secretary of the district. Mr. Peake's loss would be felt very deeply, he said, especially in Lancashire, and it was fitting that the Council should send a letter of condolence to the family. The Council indicated approval of the suggestion.

ELECTIONS AND RESTORATIONS

Seventy-seven persons were elected members of the Society and seventy-one persons as student-associates. A number of persons were restored to the Society. The registrar reported that 169 persons had been registered as apprentices or students.

ANNUAL REPORT

The annual report was received and adopted. [The principal passages of the report appear on pp. 684-85.—EDITOR.]

ANNUAL MEETING

The Council approved of the suggestion that the annual meeting should be held at 17 Bloomsbury Square, on Wednesday, May 20, at 3 p.m.

INTERNATIONAL PHARMACEUTICAL FEDERATION

The following letter was received from the secretary of the International Pharmaceutical Federation:—

We have the honour to inform you that the International Pharmaceutical Federation will hold its general assembly this year at Lausanne, Switzerland, at the end of July. The exact date and the final programme will be sent to you at the beginning of June. We shall be glad to learn in advance the names of the delegates and of the associate-members who will take part in the assembly. On the first day we shall examine the reports published in Nos. 4 and 5 of the *Bulletin*, the report on the international regulation of specialities from Messrs. Loisel, Glyn-Jones and Daminet, and the proposals concerning the international nomenclature of galenical products. The second day will be given up to international scientific questions:—

(a) International rules to be followed for determining the value of drugs and galenical preparations.

(b) Analysis of balsams and resins. International methods of examination and acceptance.

On the first day the general assembly will be able, we think, to occupy itself with professional and social questions of international interest or decide to open up further questions which have not yet been treated by the commissions nominated at general assemblies. In consequence we ask you to let us know what questions of this sort your Society would like to have put on the agenda for the first day. We remind you that all requests for a question to be put on the agenda should be accompanied by a report on that question. The report ought to reach us in time for us to be able to send it to our members. Associate members who have suggestions to make are asked to make them through the national society representing their country.

THE PRESIDENT said that as far as the latter part of the letter was concerned, it was a matter which should be referred to the Science Committee. (This course was adopted.) With regard to the delegates, these had already been appointed, but he expressed the opinion that three or four would be sufficient. Those selected were approved as follows:—Professor H. G. Greenish, Messrs. F. P. Sargeant, E. White, E. T. Neathercoat, F. W. Gamble, C. H. Hampshire, and Sir William Glyn-Jones (secretary).

SOCIAL HYGIENE CONGRESS

A letter, dated April 16, was read from the Imperial Social Hygiene Congress (organised by the National

Council for Combating Venereal Diseases), inviting the Society to participate in a congress to be held at the British Empire Exhibition, Wembley, from October 5 to October 7.

The PRESIDENT said he understood that the Council was represented at a similar congress last year.

Mr. PARRY pointed out that circulars containing offensive references to chemists were still being sent out by the National Council for Combating Venereal Diseases, one having been handed to him quite recently.

Mr. KEALL said that both the Vice-President and he had made representations upon the subject of Mr. Parry's criticism, and he had received an assurance that the matter would be seen to. He himself was astonished to find that some of the members of the organisation regarded the presence of carboys in a window as a proof that a shop belonged to a qualified chemist.

The President, Mr. Parry and Mr. Keall were appointed delegates to the congress.

SCIENTIFIC EXHIBIT AT WEMBLEY

The Association of British Chemical Manufacturers wrote asking the Society to renew its support of the proposed scientific exhibit at the British Empire Exhibition. The matter was referred to the Finance Committee.

NEW ZEALAND RECIPROCITY

An application from Mr. J. E. Watson, Tunbridge Wells, who received his training in New Zealand, to be registered in this country as a chemist and druggist was granted.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £4 4s. 1d., amounted to £8,696 7s. 11d., comprising the following items:—Subscriptions, £2,449 2s. 6d.; examination fees, 2s.; registration fees, £373 16s.; restoration fees and certificates of qualification, £6 7s.; penalties, £69 12s. 2d.; "Pharmaceutical Journal" advertisements, etc., £1,545 8s. 9d.; "Pharmaceutical Journal" S.A. subscriptions, £12 1s. 6d.; Pharmaceutical Press publications, £3 6s. 10d.; "Pharmaceutical Pocket Book," £1 10s. 1d.; "Year-Book," £14 13s. 11d.; Register of Chemists and Druggists, £18 2s. 3d.; B.P. Codex, 1923, £79 2s. 9d.; interest on investments, £218 18s. 1d.; transferred from deposit account, £3,900. Payments ordered at the last meeting, including the investment of £3,500 in 4 per cent. Funding Stock, amounted to £8,673 13s. 6d., leaving a balance of £22 14s. 5d. The balances on the other accounts were:—Benevolent Fund (current account), £7 2s. 9d.; Benevolent Fund (donation account), £12 1s. 10d.; War Auxiliary Benevolent Fund, £82 15s. 10d.; Orphan Fund, £36 12s. 8d.

The report recommended that accounts amounting to £5,546 2s. 2d. be paid, and that the action of the secretary in making payments amounting to £960 15s. 5d. be approved. The committee recommended that £850 on deposit to the credit of the Benevolent Fund (donation account) be invested in 4 per cent. Funding Stock, 1960-90.

The TREASURER mentioned that up to May 4 of this year 10,199 members had paid their subscriptions, compared with 9,600 at the same time last year. The report was adopted.

BENEVOLENT FUND

The report of the Benevolent Fund Committee showed that five applications had been considered, and grants varying from £26 to £30 had been made.

The following special contributions were acknowledged:—Great Yarmouth Pharmaceutical Association, £1 12s. 9d.; Wallasey Pharmacists' Association, £10 3s. 10d.; Hull Chemists' Association, £3 3s.; Dorset Pharmacists' Association, £23 6s. 6d.; Galen Rehearsal Lodge, £2 2s. The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

The Committee reported that during the month three applications had been considered, and grants made ranging from £10 to £25. The report was adopted.

EDUCATION COMMITTEE

The committee reported that they had agreed to recognise sixteen schools in various parts of the country—for

chemistry, physics and botany in some cases, and for chemistry and physics alone in others. The Committee also recommended that articles of agreement in a form suitable for use as actual indentures be printed by the Society. The report was adopted.

ESTABLISHMENT COMMITTEE

This committee, having considered the Dean's report, recommended that the following awards be made in respect of the examinations in the advanced class:—

Botany.—Silver medal, Leslie John Walker; certificates of honour, Gabriel Wood and Charles Rigby.

Chemistry.—Silver medal, Leslie John Walker; certificates of honour, Charles Rigby and Gabriel Wood.

Practical Chemistry.—Silver medal, Frederick Charles Hodgson; certificates of honour, Millington Hind Payne and Charles Rigby.

Materia Medica.—Silver medal, Leslie John Walker; certificates of honour, Frederick Charles Baines and Charles Rigby.

ERASURES FROM THE DENTISTS REGISTER

It was reported to the Law Committee that the registrar of the Dental Board had supplied a list of persons whose names had been erased from the Dentists Register through the non-payment of the annual registration fee, and who in consequence are not entitled to be supplied with or be in possession of "dangerous" drugs. The committee recommended that lists be prepared and sent to secretaries of branches giving the names of persons in the area of each branch who have been erased from the Register, and that the Home Office be approached on the matter.

BRITISH PHARMACEUTICAL CONFERENCE

The Organisation Committee considered a letter from the Glasgow and South-Western Scottish Branch which asked that one of the subjects to be discussed at the Glasgow Conference might be "The Dangerous Drugs Act and Regulations." The committee recommended that the following subjects be discussed:—(1) "The Dangerous Drugs Acts and Regulations, including the Labelling of Poisons Order," to be opened by Mr. E. T. Neathercoat; (2) "An Historical Survey of the Charters and Acts of Parliament governing the Society's activities leading up to the present-day Position," to be opened by Mr. F. Pilkington Sargeant. The report was adopted.

This was all the public business.

Annual Report

The following are the portions of the annual report of the Council which are of general interest to chemists:—

Finance.—The income of the Society during the year under review amounted to £41,043, compared with £41,736 for the preceding year, and the expenditure £38,653, compared with £35,439 for 1923. These comparative figures do not include the account for the British Pharmaceutical Codex. The income from examination fees amounted to £1,683 less than in 1923. It is satisfactory to note, however, that this amount was largely off-set by increases in income from other sources. The expenditure includes a charge of £926 in respect of the installation of central heating apparatus, the whole of the expenditure so far incurred having been charged against the current year's revenue. The expenditure on the "Year-Book" shows an increase of £600 compared with 1923, owing to the fact that it includes, this year, a full year's printing and publishing charges. The surplus for the year, amounting to £3,646, has been added to the accumulated fund.

Registers.—The number of names on the Register of Chemists and Druggists at the end of 1924 was 17,765, which is a decrease of 64 over the preceding year due to the removal from the Register of the names of persons whose addresses could not be traced. There has been an increase of 255 in the membership of the Society, the total number of members on January 1 being 11,800. On that date there were also 1,674 student-associates of the Society. The number of persons registered as "apprentices or students" during the year was 1,680, being 78 more than the previous year. The number of limited companies and firms or partnerships entitled to carry on the business of a chemist or druggist in Great Britain is now 1,044.

Examinations.—The number of entries (including re-entries) for the whole or part of the Qualifying examination during 1924 was 2,766, and there were 65 entries (including

re-entries) for the Major examination, showing a decrease of 321 on the former and eight on the latter when compared with the entries in the previous year. Six hundred and fifty-two candidates passed the Qualifying examination and 31 the Major. The Privy Council visitors, both in Edinburgh and in London, in their reports drew attention to the low percentage of passes among those candidates entering for both parts of the examination at the same time, and they strongly recommended that the Council should alter the regulations for the Qualifying examination in order to make it impossible for the two parts to be taken at one examination.

By-Laws and Regulations.—This recommendation of the Privy Council visitors, together with the changes in the Council's educational policy referred to below and the institution of the degree of bachelor of pharmacy by the University of London, necessitated a revision of the regulations for the Society's examinations and consequently a revision of the by-laws. Amendments of the by-laws were accordingly framed by the Council, and after three readings at meetings of the Council were approved by a general meeting of members of the Society held at the Society's House on February 4, after which they were submitted to the Privy Council. The regulations to be made under the by-laws were drafted and were submitted to the branches of the Society for discussion and subsequently to a meeting of delegates from the branches held on March 18. In the light of the discussions by the branches and at the delegates' meeting, the regulations were finally framed and adopted by the Council. The revised regulations increase the standard for the Preliminary examination. They also prevent a candidate entering for both parts of the Qualifying examination at the same time and modify the examination in physics and botany by introducing a practical examination. They further provide that the candidate may be examined by means of written papers in addition to oral and practical examinations. The by-laws and regulations also introduce a curriculum for the Major examination and make it possible for a student to enter for that examination without having been first registered as a chemist and druggist, while a chemist and druggist proceeding to the higher qualification has a number of concessions granted to him.

Education.—The negotiations with education authorities are still in progress. They have already resulted in a large number of secondary and technical schools at which there are post-matriculation science classes, being approved for the purposes of Part I of the Qualifying examination. The Council are prepared to recognise any such suitable classes. They believe that this recognition will be of assistance to the increasing number of students who are staying on at their secondary schools working for the Higher Certificate examination or for an Intermediate Science examination, and it is in order further to assist these students that the Council have taken power by law to accept certificates of a suitable standard from outside examining bodies as exempting from the present Part I of the Qualifying examination. The acceptance of such certificates and the requirement by regulation that the curriculum for Part II must be taken after Part I of the examination has been passed will facilitate schools at present recognised for both parts concentrating on the teaching of the technical subjects of Part II.

The Council are pleased to be able to report that the degree in pharmacy of London University, the institution of which was foreshadowed in their report for 1923, has now been set up. At present the degree is an internal degree only, but the Council have learnt that the University authorities contemplate setting up a corresponding external degree. This will enable students working in approved institutions in any part of the country to obtain the degree.

Poisons—Labelling and Schedule.—The Order in Council amending Section 17 of the Pharmacy Act, 1868, by requiring the amount of poison present in preparations containing poisons to be declared on the label, has been made and is to come into effect on January 1, 1926. The Council have been able to secure that for preparations contained in the British Pharmacopoeia or the British Pharmaceutical Codex, a sufficient declaration for the purposes of the Order will be given if the name or abbreviated name in use in the Pharmacopoeia or Codex appears on the label followed by the letters "B.P." or "B.P.C." On August 6, 1924, the Council, by virtue of their powers under the Pharmacy Acts, passed a resolution making certain additions and amendments to the Schedule of Poisons. This resolution of the Council has been submitted to the Privy Council and approved, and came into operation as from April 3, 1925. Among other changes, the resolution brings into Part I all preparations of arsenic, whether medicinal or not; all alkaloids and their salts and derivatives, whether synthetic or not; together with cannabis and preparations of tobacco

containing its poisonous alkaloids. Salts of barium, except barium sulphate, are added to Part II.

Science Committee.—This Committee . . . has also been responsible for the undertaking of fresh work in connection with the improvement of preparations in the British Pharmaceutical Codex, and a number of preparations have been made and stored in order to observe their keeping properties and also to test the formulae used. The Committee has considered every suggestion that has been brought under their notice from practising pharmacists and others, and has tested many practically with a view to adopting and publishing the suggested alterations, if thought desirable, in the form of a Supplement to the Codex. A list of abbreviations of the full Latin names of drugs and preparations contained in the Codex has been issued as a Supplement. This list was officially recognised in the Labelling of Poisons Order, 1924. Much useful work has been done by individual members of the Committee in the preparation of a revised edition of the Pharmaceutical Pocket Book; this was issued in April.

Journal.—As compared with 1924-25 [? 1923-24], there has been some increase in the absolute cost of production, due in part to an advance in printing charges, but mainly to additions to membership of the Society, and, as will be seen from the financial statement, the postage is an expensive item. The revenue from advertisements, which, of course does not rise in proportion to the growth of membership, was well maintained during the first six months of 1924, but fell off somewhat for the second half of the year—a result attributable to depression in the business world. Every endeavour has been made to maintain and improve the "Journal" services for the publication of pharmaceutical news. Information of practical interest and value to members of the Society in whatever branch of pharmacy they are engaged has occupied a prominent position. Considerable space has also been devoted to educational, scientific, and technical subjects connected with the Society's work. Reports of the activities of the local branches of the Society, in the section set apart for them, have bulked more largely than in the previous year, and this section has come to be looked upon as one of the most attractive and useful features of the "Journal." The Students' Quarterly Supplement, which is circulated to all student-associates of the Society, has been extended and improved, and is prized by the large class for whom it is provided. The arrangements introduced in 1923-24, for the earlier closing for the press and dispatch for the "Journal," have been continued, and are warmly approved of by members, subscribers, and advertisers, to whom an earlier delivery of the "Journal" is an advantage.

Branch Organisation.—. . . It has been the experience of the branches that the attendance at the meetings arranged has been considerably better during the past session. On account of special efforts by individual members several branches have greatly extended their activities, and have secured good subjects for their meetings. Considerable enthusiasm has been shown whenever pharmaceutical service in the Army has been discussed and useful information as to maladministration during the war has been obtained. The expenses in connection with organisation during the year amounted to £2,326 16s. 10d.

Benevolent Fund.—The annual subscriptions to the Benevolent Fund have increased by about £120, £1,832 being received from this source during 1924, as against £1,712 in the preceding year and £1,726 in 1922. Attention has repeatedly been directed to the necessity for a larger annual income from subscriptions by the chairman of the Benevolent Fund Committee, and the Council, in May 1924, authorised the issue of a circular letter to the Society's branches seeking co-operation in organising a systematic canvass in each area. This effort is no doubt responsible for the increase in subscriptions recorded above. Interest on investments shows an increase, and last year yielded nearly £2,400. The amount granted in relief and in the payment of annuities was £3,818. In December last seven additional annuitants were placed upon the permanent list, and there are now 48 recipients of a regular annual allowance ranging from £20 to £50 according to the special circumstances of the case. The expenditure on annuities amounted to £1,603, which was augmented by a special Christmas bonus amounting to £445. In casual assistance the sum of £1,765 was expended.

War Auxiliary Benevolent Fund.—The sum of £1,501 was expended in grants from the Fund during 1924, reducing the accumulated fund by £772. The capital now stands at £15,583. As was indicated in the last annual report, the Charity Commissioners have agreed to the adoption of a scheme extending the scope of the Fund.

Orphan Fund.—The cost of maintaining the five orphans now on the Fund amounted to £377. . . . The Benevolent Fund Committee are anxious to extend the usefulness of

the Fund by increasing the number of orphans, and a larger income is therefore necessary.

The Council regret to record the loss to the Society by retirement of the services of an esteemed officer in the person of Mr. A. J. Chater, assistant secretary. He had been in the service of the Society for thirty-seven years, and had been intimately associated with and rendered the greatest assistance in almost every department of the Society's work.

Other subjects dealt with include the inspection of shops, the Society's School, evening meetings, the North British Executive, and the British Pharmaceutical Conference. A list of pharmacists and others connected with the Society who have died during the year under review is also given.

League of Ex-Service Pharmacists

The following letter, dated May 4, has been issued to pharmacists who received the Government grant for training at the end of the European war. With each letter is enclosed a postcard for those desiring to apply for membership. Pharmacists who by any chance have not received one or both of these communications should apply to the secretary of the local branch of the Society or to 17 Bloomsbury Square:—

The Council have, as you know, been endeavouring for a number of years to secure the adoption by the War Office of the Society's proposals for the reform of the Army pharmaceutical service. The Society has collected overwhelming evidence of mismanagement and waste during the war, much of which would have been avoided had adequate recognition and responsibility been given to pharmacists. The moderate proposals put forward by the Society's representatives, and included in the report of the War Office Committee of December 30, 1921, have been in the main ignored by the authorities, and, in particular, they have consistently refused to consider granting commissioned rank to pharmacists. The Council believe that the next step should be taken by men who have personal knowledge of the conditions of the Army during the war. They have therefore decided upon the formation of a League of ex-Service Pharmacists, which shall have for its objects the improvement of the pharmaceutical service in the Army, the fuller recognition of the qualification of the pharmacist, and the institution of a reserve of pharmacists in peace, which will, upon outbreak of war, be in a position to obviate the many anomalies which occurred during the late war. Major E. Saville Peck has agreed to act as chairman of the League, and Capt. Harold Hill, B.A., M.P.S., as secretary. Each of the branches of the Society has been asked to appoint an ex-Service delegate to attend a meeting to be held at this address on either Wednesday, May 27, or Monday, June 1 (Whit Monday), according to the wish of the majority of delegates. At this meeting the League will be inaugurated, and an executive committee appointed to carry out its objects.

The Council believe that the large number of ex-Service men who received Government grants through the Society at the close of the war will be glad of an opportunity such as this to render some service to pharmacy in return. They therefore cordially invite you to join the League, and to undertake to support the League in any way possible by local action. It should be made clear that membership of the League will involve no financial obligation on your part. If you are prepared to join the League, will you please complete the enclosed postcard and return it to the Society as soon as possible?

Council Election

Voting papers are being sent out to members of the Pharmaceutical Society this week, and must be received at 17 Bloomsbury Square not later than the first post on May 20, or must be placed in the box on the President's table at the annual meeting on that date. The views of those candidates who replied to our request for points that might be put before the electors were given in our issues of April 18 (p. 581), April 25 (p. 616), and May 2 (p. 649).

Branch Meetings

Cheltenham.—At a meeting of the Cheltenham Branch, held on April 30, Mr. Harold Miller (chairman) presiding, Mr. Pilkington Sargeant, President of the Society, addressed the members, his remarks dealing chiefly with

the future education of the pharmacist. He said that the most insistent part of the policy of the Pharmaceutical Society during the last few weeks had been the revolution which they were bringing about in the educational system of the Society. That revolution was long overdue, and would have been brought about before but for extraneous circumstances over which they had no control. In 1908 there was an Act of Parliament which gave them power to divide the examination and impose curricula, and in 1909 and 1910 they were busy formulating proposals, but then somebody introduced into the House of Commons a National Health Insurance Bill. It took all their time to look after the position of pharmacists under that Bill. When it became an Act the pharmacists of this country were declared by statute to be the only persons qualified to dispense medicines. The war then held up their educational proposals, but since then they had devoted their energies to devising the best scheme for getting the best men into the profession. So they had passed by-laws and regulations affecting the Preliminary examination and raising the standard from the ridiculously low one of the present to a much higher standard. It would have been well if they could have raised it to the matriculation level, but there were several things to consider. First, there was the public, and from the administrative point of view there must always be sufficient pharmacists to meet the needs of the public. Therefore they had to steer a middle course. Elementary education had progressed so rapidly that they had felt that candidates who could not get the school leaving certificate would inevitably suffer afterwards if allowed to proceed with the examination. They had divided their examinations because theirs was a profession, and like every other profession it must have a foundation and a superstructure. The foundation of most of the professions was science, and in theirs it was necessary that the scientific part should be taken before the technical.

THE THERAPEUTIC SUBSTANCES BILL

Every encouragement was to be given to those who wished to take the examination for pharmaceutical chemists, and the question arose as to what was going to happen to the man who spent his money, mind and energy in obtaining this qualification. In the first place he was better equipped than the man who had not got it, and better able to carry on the general duties of the chemist and druggist, but there were in the offing positions about to be created that ought to be taken by pharmaceutical chemists sufficiently qualified. If they had failed to get such men ready, then "no man's land" would be occupied by somebody else. A Therapeutic Substances Bill was before Parliament, dealing with the manufacture of a variety of substances, and somebody would have to test these. The persons who did that ought to be pharmacists, and some of their craft must also be trained to do institutional work and research work. Dealing with other problems engaging the minds of pharmacists at the present time, Mr. Sargeant said the Dangerous Drugs Acts were not drawn up in consultation with the Pharmaceutical Society, which was in no way responsible for the regulations. It tried to protect the pharmacist who unwittingly offended against the Dangerous Drugs Act, but would have nothing to do with those who carried out wholly reprehensible practices. Those were men of the kind they did not want in pharmacy. Their one great policy was that the only persons in this country qualified to dispense medicines were the pharmacists. If it were right to say that pharmacists must not prescribe morphine or heroin, and if it was in the interests of the public, they would accept it; but, on the other hand, the doctor must not be allowed to dispense them.

Glasgow.—The annual meeting of the Glasgow and South-Western Scottish Branch was held in Glasgow on April 29, Mr. Anthony McMillan (chairman) presiding. After the annual report and financial statement were presented, the chairman referred to the meetings held during the year, expressing the opinion that the branches would in the near future exert an increasing and powerful influence. He appealed for a personal interest in the affairs of the Branch. Reference was also made to the forthcoming British Pharmaceutical Conference to be held

in Glasgow in July, arrangements for which are well in hand. Office-bearers for 1925-6 were elected as follows:—*Chairman*, Mr. Anthony McMillan; *Vice-Chairman*, Mr. Harvey P. Arthur; *Secretary and Treasurer*, Mr. Peter M. Duff; *Committee*, Messrs. W. Chapman (Shotts), J. O. Chisholm (Glasgow), W. S. Culbert (Airdrie), A. A. Dick (Bellshill), Thos. Guthrie (Clydebank), D. McNay (Kilmarnock), George Jayie (Kirkintilloch), Alexr. MacSween (Glasgow), Martin Meldrum (Ayr), J. H. Ramsay (Glasgow), J. A. Russell (Greenock), and John Weir (Clydebank). Messrs. A. B. Gilmour and James Innes were reappointed *Auditors*. The increasing difficulties experienced under the Dangerous Drugs Acts Regulations were brought forward, and after full discussion it was agreed that the Council of the Society be urged to set apart one of the delegates' meetings at the Conference for consideration of the difficult problems arising out of the administration of the Acts.

Ipswich.—The annual meeting of the Ipswich and Suffolk Branch was held on April 16, Mr. J. A. Symonds in the chair. After votes of thanks to retiring officers the following were elected:—*Chairman*, Mr. J. A. Symonds; *Treasurer*, Mr. J. C. Wiggin; *Secretary*, Mr. G. Perrins; *Committee*: Messrs. Cole, Grave, Bennett, Hardy, Smalley, Dalton, Hales, Stearn, Miss Canham and Miss Bird. Light refreshments were afterwards served and summer and winter programmes discussed.

London (E.).—A meeting of the East Metropolitan Branch was held at the Y.M.C.A., Forest Gate, on April 28, to hear the views of the candidates for the Council election. Mr. W. Gray (chairman) presided. Letters stating their views were received from Messrs. Antcliffe, Ingham, H. M. Lloyd, and Skinner. Mr. E. Saville Peck outlined his policy, and expressed the hope that members would vote for those who would endeavour to safeguard the interests of pharmacy and the public. Mr. J. Cofman-Nicoresti said it had been the custom to elect members of Council on personal grounds; this was now recognised as a failure. He was disappointed there were not seven new candidates putting up. He was out for uplifting pharmacy as a profession, and would defend the title of "chemist" against all comers. Mr. W. J. Beardsley, last year's chairman of the branch, said he was out for the advancement of all sides of the calling, and prepared to advocate that the dispensary of every hospital or institution should be in charge of a qualified chemist. On behalf of the members, the chairman thanked the candidates.

London (N.).—The annual meeting of the North Metropolitan Branch was held on April 30, Mr. J. Downing (chairman) presiding. After the annual statement had been given by the treasurer (Mr. R. H. L. Watson), the following officers were elected for the ensuing year: *Chairman*, Mr. J. T. Walters; *Vice-Chairman and Treasurer*, Mr. R. H. L. Watson; *Secretary*, Mr. H. Skinner; *Committee*, Messrs. Jenkin, Hampshire, Downing, Andrew, Rawlins, and Tocher.

Business Changes

W. BATES & Co., LTD., chemists, Southampton, have opened a branch in High Road, Swaythling.

THE Standard Glass and Hardware Co., Ltd., have removed to 26 Finsbury Square, London, E.C.2.

SKUSE & Co., LTD., specialists in packed goods, have removed to 7 Lamb's Conduit Street, London, W.C.1. The telephone number is Museum 9388.

MR. F. A. MOORHOUSE, chemist and druggist, has taken over the business of Mr. J. W. King, chemist and druggist, 37 Hollis Street, Burley Road, Leeds.

SPENCER & Co., LTD., chemists and druggists, Madras, have purchased the goodwill, plant, book debts and stock of the business of W. E. Smith & Co., Ltd., chemists, etc., Madras and Ootacamund. The business will continue as heretofore under the personal management and supervision of Mr. J. Easton, M.P.S., as a department of Spencer & Co., Ltd., who intend, at an early date, to transfer it to their own premises in Mount Road, Madras.

Festivities

S.W. London Chemists' Whist Drive

THE South-West London Chemists' Association held a whist drive and dance at Clarence Rooms on April 29, about 200 being present, Mr. D. A. Rees (social secretary) acting as M.C. for the dance, and Mr. A. F. Barratt (President) was in charge of the whist drive. The prize-winners were as follows:—*Ladies*: Mrs. McLachlan, Mrs. Watson, Mrs. York, Mrs. Barratt, and Miss West. *Gentlemen*: Mr. Sherry, Mr. Fuller, Mr. Bowen, Mr. Wenmoth, and Mr. Ball. The spot dance was won by Mr. Trick and Miss Barratt. The prizes were donated by wholesale houses.

The Final Fling

THOSE wiseacres—and there were a few of them—who predicted a poor turnout at the North Metropolitan supper and dance "because it was so late in the season" evidently reckoned without their Skinner. As a matter of fact, the York Room at Frascati's in Oxford Street, London, W.1, was almost uncomfortably full for dancing on April 30, for there were just on 120 present. It was almost entirely a Branch affair. Visitors from other spheres of influence included Mr. Frederick W. Gwinn and Mr. B. Wathen (President and Vice-President respectively of the West Ham Branch), Mr. and Mrs. Thomas Marns (Ealing Branch), Mr. W. J. Beardsley (one of the new Council candidates), and Mr. J. T. Tyler (Brighton Branch). Among others present were the new chairman of the Branch (Mr. J. T. Walters), Mr. and Mrs. J. Downing, Mr. and Mrs. G. F. Tocher, Mr. and Mrs. W. Chalmers, Messrs. R. W. L. Watson, Anderson, Dow, Cooper, Swanston, Bately, Weiss, and their respective ladies. Midway in the evening the company adjourned to the balcony, where an excellent supper was provided, and afterwards dancing was resumed until close on midnight.

South Lincolnshire Chemists' Dinner

THE first annual dinner of the South Lincolnshire Branch of the Pharmaceutical Society was held at the White Hart Hotel, Boston, on April 30. Prior to the dinner, Mr. John Hague, chairman of the Retail Pharmacists' Union, addressed members of the district. The chairman of the Branch, Mr. E. A. Bailey, presiding, was supported by the Mayor of Boston (Ald. C. Day). Mr. H. Antcliffe represented the Pharmaceutical Society. Mr. A. Day, in proposing "The Pharmaceutical Society," said he was sure the members of his Branch valued the services of the members of the Council. He personally had not much to say against the framing of the by-laws and regulations. In calling upon Mr. Antcliffe to respond, the chairman invited him to give them a short outline of the Society's work. Mr. Antcliffe thanked them for the welcome he had received, and for the hearty manner in which the toast had been received. He could assure Mr. Day that nothing would please the members of the Council better than to be able to publish the names of offenders under the Pharmacy Acts, as it would be a much greater deterrent than the paying of a fine. He wished to say at once that some better method should be tried for the framing of by-laws and regulations, which would give members in scattered areas like Lincolnshire a real voice in pharmaceutical affairs, and he thought this could be done by submitting vital questions to the Branches for consideration. Any altered method might mean the promotion of an Act of Parliament; in any case the Charter would have to be amended. Every member of the Council welcomes constructive criticism, but there is nothing easier than destructive criticism, for which there is no room. Dealing in detail with the new regulations for the examinations, he pointed out that the apprentice in the country areas was in the same position under the new regulations, for the Preliminary scientific as at the present time or Part I. The Branches might bring pressure on the local education authorities to provide the necessary classes covering the three subjects. He dealt briefly with the additions to the Schedule, Labelling Order, Dangerous Drugs Act,

and made an appeal for the Benevolent and Orphans Funds, for which a collection was made. The "R.P.U." was toasted by Mr. Bailey, and responded to by Mr. Hague. Mr. Bullivant proposed "The Officers," which was replied to by Messrs. Osborn (secretary), and Alexander (treasurer). The Mayor of Boston replied to the toast of "The Visitors." Mr. Antcliffe proposed the health of "The Chairman." The musical programme was provided by members of the Branch.

Liverpool Chemists' Smoking Concert

THE Liverpool Chemists' Association and Branch of the Pharmaceutical Society held the annual smoking concert in aid of the Benevolent Fund of the Pharmaceutical Society at the Adelphi Hotel on April 29, a company of 300 attending. The President (Mr. J. L. Hirst) and Council first entertained at dinner the Lord Mayor (Alderman T. Dowd) and the Resident Secretary in Scotland of the Pharmaceutical Society (Mr. J. Rutherford Hill), among those present at dinner or concert being: Messrs. Herbert Evans and T. E. Lescher, W. H. Saunders and Nixon, Harold Wyatt, W. H. Clubb, A. W. Ashcroft, D. H. Evans, L. Moreton Parry, H. Humphreys Jones, F. Wokes (hon. secretary), M. S. Hughes (hon. treasurer), W. J. Tristram, Hodgson, and Miss Dodd. The "Frolics," a talented company of pierrots, gave a variety entertainment. The President, in welcoming the guests, said Mr. Hill had an established reputation for interest in benevolence, and he had come from Edinburgh to a city where Scotsmen, Irishmen, and Welsh were equally prominent and prosperous, and would be found, it was hoped, equally earnest in contributing to the Benevolent Fund. Mr. Hill, in a splendid address, said he esteemed the invitation to speak at Liverpool one of the highest honours conferred upon him during his connection with the Pharmaceutical Society. The founders of the Pharmaceutical Society were men of high souls, for though prosperous themselves they did not, in their own prosperity, forget their poorer brethren. Eighty-four years ago they instituted the Benevolent Fund, through which to date about £140,000 had been distributed, an average of £1,600 yearly, among distressed members, their widows and orphans. Having commended the action of Mr. L. Moreton Parry in his initiation and direction of the War Auxiliary Fund, and cited concrete cases of the use of the fund, the grants being received, Mr. Hill pointed out that while the membership had increased from 11,000 in 1920 to 12,000 in 1924, the subscriptions fell from £1,900 to £1,800, though the grants increased from £1,300 to £1,700. As Mr. Lloyd (Southport) had observed, another £100 a year was wanted to work the orphan fund without encroaching on investments. Liverpool held a fine record for support of the fund, one of these concerts having reached the high-water mark of £142. In conclusion, Mr. Hill urged the company that evening to aim at £200, and he backed up the appeal by anecdote, Robert Burns, and the New Testament. The Lord Mayor, who had chosen to speak after Mr. Hill, said the magnificent address to which they had listened proved the wisdom of his own holding back. On looking in the windows of the Merseyside chemists and druggists, he marvelled that anyone should be either ill or die, seeing that all the ills the flesh was heir to could be prevented or cured so cheaply. A few weeks ago, when about to attend in state a centenary service at the Church of Scotland, Rodney Street, he asked gentlemen in the procession to bring plenty of money in their pockets and to put it on the collecting plates. They did so, and he hoped the company at this concert would do likewise. The collection exceeded £122, and it was intimated that it would be supplemented. Mr. Moreton Parry acknowledged the generosity displayed.

Exeter Chemists' Dinner

THERE was a large company, including many ladies, at the annual dinner of the Exeter and District Branch of the Pharmaceutical Society, held at the Royal Clarence Hotel, Exeter, on April 29. Mr. W. J. Shepperd (chairman of the Branch), who presided, was supported by Mr.

F. Pilkington Sergeant (President of the Society), Mr. F. F. Rowsell (Vice-President), Mr. A. C. Marrow (chairman Plymouth Branch), Mr. G. A. Clarke (chairman Torquay Branch), and other members of the Society from Exeter, Plymouth, Torquay, Dartmouth, Salcombe, Southmolton, Ilfracombe, Culmpton, Sidmouth, Exmouth and Barnstaple. The chairman, submitting "The Pharmaceutical Society of Great Britain and Kindred Associations," spoke of the great honour conferred on the branch by the presence of the President and Vice-President of the Society, and reminded his hearers of what the Society had done for pharmacists. The formation of branches by the Society was a most democratic step. But if the branches were to be of real use, the delegates must receive different treatment than was accorded them in London. The appeal made by a joint committee of Devon and Cornwall for a scholarship tenable at the School of Pharmacy at the University College of the South West had already resulted in over £300 being obtained of the £500 required. (Applause.) The President, in reply, pointed out the necessity of doing something for posterity; he said that, had their ancestors not recognised that principle, there would have been no profession of pharmacy at present. Recently they had heard a lot about by-laws and regulations. Many persons now present would not live to see the time when those by-laws and regulations would fructify, but as a Council they had to do what they could to fortify the educational system which their founders started in 1840. There was only one thing wrong with the constitution of the Society, and that was, that it was out of date, and he was sure the Council would take into very grave consideration the many issues involved in altering and improving the constitution. It could not be done without two things. There must be legislation and a supplemental charter, and every branch would have a say as to what those alterations would be. The question of whether they should have the power of putting a man off the register was a thorny one, but it was certain there were men practising pharmacy who were a disgrace to pharmacists. There were not many of them, and there were very few who were members of their Society. (Hear, hear.) But if there were members who acted in a manner derogatory to the general honour of the profession, the Council took immediate steps to turn them out of the Society. While they were quite satisfied with the position of civil pharmacy, they were disgusted with the position of pharmacy in the Army. A committee had been appointed of ex-Service men to put forward their ideas. With regard to dangerous drugs, if the suggested restrictions were adopted, the drugs must be dispensed by people qualified to dispense them and no one else. (Applause.) If a doctor wanted to qualify himself to dispense, he must put in another three years on top of his curriculum, but until he did the Pharmaceutical Society said the equitable course was for "Jack to mind his own trade." Mr. F. Southerden (branch secretary) gave details of the Scholarship Fund, now standing at £350, which meant that they had raised £200 since the last annual dinner. They were going to get the whole of the £500 before the next annual dinner. (Hear, hear.) The Vice-President (Mr. F. F. Rowsell) hoped the balance would be raised before the major portion of the School of Pharmacy was removed from Exeter to Plymouth, where they might possibly have a larger number of students. He regretted the change. He gave "The Visitors." Mr. A. C. Marrow, responding, said the closest and friendliest co-operation existed between the Exeter and Plymouth branches. He assured Mr. Rowsell that Plymouth would do its utmost to raise the remainder of the Scholarship Fund. Mr. G. A. Clarke also replied. The other toast was "The Chairman," which was honoured at the invitation of Mr. Erie Lemmon. There was an excellent musical programme. The secretaries of the Dinner Committee were Messrs. F. Southerden and A. C. Milton.

THE Bradford Municipal Technical College has arranged summer courses in field botany and other subjects for the benefit of Part I pharmaceutical students and of local school teachers who like to take such courses.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

ENGLAND AND WALES

Local Reports

Exeter.—The Insurance Committee has decided to circularise the doctors, pointing out that an insured person has the right to take prescriptions to any chemist, and also reminding doctors that urgent prescriptions should be so marked.

Holland.—At a meeting of the Insurance Committee, on April 20, the scheme of the Ministry of Health for testing dispensing was adopted.

Portsmouth.—Over-prescribing in the Portsmouth area was referred to at the monthly meeting of the Insurance Committee on April 30, when Dr. Mulvany, J.P., stated that certain doctors had received visits from the vigilance officer. The clerk stated that the cost of pricing prescriptions for the current year and of the investigation of prescribing would, as in 1924, form a first charge on the general administration funds, from which grants were made to Insurance Committees. This, the clerk added, had come more or less as a bombshell, for the cost of the investigation of prescribing was estimated at £12,000, and the Ministry were being approached upon the matter. A payment of £18 to the Pharmaceutical Committee for administrative expenses was approved.

Sheffield.—At a recent meeting of the Insurance Committee the Ministry of Health scheme for the uniform testing of prescriptions was considered, and it was decided that the approval of the Minister of Health be sought for the continuance of the present scheme. The Ministry of Health has decided to withhold the sum of £3 in one case and £5 in another in respect of certain practitioners on the list regarding whom inquiries had recently been held. It was decided that payment be made for a prescription dispensed by a chemist not on the list within the area for a patient temporarily absent from the area of the Committee. Two names were added to the list of panel chemists.

Somerset.—At a meeting of the Insurance Committee on April 25 it was reported that a panel doctor had received from the committee £26 18s. 6d. on the understanding that he would dispense for insured persons who resided more than a mile from a pharmacy. Payment was spread over eleven years. It had now been ascertained that the doctor had not dispensed, and it was recommended that this sum should be deducted from his remuneration. The clerk said that arrangements had now been made for chemists to supply drugs to all the patients of the practitioner involved. With regard to the model scheme for testing drugs and appliances supplied by chemists, Mr. A. Pullen considered there should be some form of control dealing with medical men as well as chemists, as the former dispensed medicines for 54,000 patients. It did not seem fair that one section of dispensing should be treated differently from the other. Dr. E. G. D. Pineo, as a dispensing doctor, said that he would never let anyone interfere between his patient and himself. He gave what he considered suitable, but quite a different position arose with regard to chemists, for they had to carry out a doctor's orders.

Worcestershire.—At a recent meeting of the Insurance Committee a letter was read from the Halesowen chemists asking for a copy of the revised formulary, pointing out that this had been adopted by the neighbouring Insurance Committees as from April 1. The clerk intimated that the Panel Committee had not yet adopted the formulary, and chemists had to return the prescriptions to be written out in full, thus causing delay and inconvenience. Mr. Tanner said that he did not think that the Panel Committee were treating the Committee with courtesy. Replies were not received from the Panel Committee in anything like reasonable time. The chairman regretted that there should be such delay, and he thought they would have to make representation to the Ministry.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities, vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, May 7.

BUSINESS in the Mincing Lane produce markets shows no improvement, and the general conditions show no change from those recently prevailing. The tendency of prices is still downwards, as will be seen from our "barometer" given below, and until values are more stabilised there will be little inducement to operate. Among crude drugs, much higher prices are asked for Belgian valerian; hydrastis is also dearer. Cardamoms and Bourbon vanilla at auction sold at about steady rates; canary seed is firmer and Dutch caraway cheaper. Agar agar is offered more cheaply, owing to plentiful supplies. Menthol is on the easy side; native Jamaica sarsaparilla is very firm. Among pharmaceutical chemicals the changes in value continue in favour of buyers, mostly as the result of keen competition and a limited demand. Acetanilide, barbitone, benzaldehyde, benz-naphthol, betanaphthol, guaiacol carbonate, methyl sulphonal, sulphonual, Dutch milk-sugar, and chloral hydrate have more or less declined. Bromides are firm, and if trading was normal they would advance, as spot prices are below replacement cost. Among industrial chemicals a few further reductions in price are noted, and for the limited business passing competition continues acute. Ammon. chloride is a shade cheaper, and potassium carbonate is firmer. Soda hypo is in more inquiry at steady rates. Carbolic acid crystals are easier, and pyridine stronger. In the fixed oils group business shows some improvement, and a number of items are steadier. Coconut and palm kernel are firmer, soya is easier, and castor idle. Several essential oils show a downward tendency, these including lemon, bergamot, orange, and clove oils. In "outside" articles shellac is substantially lower; crude antimony is still scarce, and mercury is idle.

Higher	Firmer	Easier	Lower
Canary seed (Mazagan)	Citronella oil (Ceylon, c.i.f.)	Ammon. chlor.	Acetanilide
Cocoa butter (Amst. auction)	Coconut oil	Bergamot oil	Antimony
Hydrastis	Geranium oil (Bourb., c.i.f.)	Camphor oil	Barbitone
Palm kernel oil	Ground nut oil	(J.p.)	Benzaldehyde
Rubber	Potash	Carbolic acid	Benzonaphthol
Saffron	carbonate	Cassia oil	Betanaphthol
Turpentine	Pyridine	Chloral hydrate	Caraway seed
Valerian root		Citronella oil (J.v.)	Cedarwood oil
		Cream of tartar	Clove oil
		Cumin seed	Guaiacol carb.
		Geranium oil (Alg.)	Lemon oil
		Methyl salicylate	Methyl sulphonal
		Mint oil (J.p.)	Milk sugar
		Orange oil	Shellac (T.N.)
		Palm oil	Sugar
		Pepper, white	Sulphonal
		Sassafras oil	
		Soya oil	

Cables

NEW YORK, May 6.—Business is quiet. Hydrastis has advanced to \$5.00 per lb., and short buchu to 64c. Natural peppermint oil in tins is cheaper at \$13.25, and euonymus bark or root (wahoo) has declined to 80c. Mercury is lower at \$81.00 per flask.

BERGEN, May 6.—The total catch of cod for the whole of Norway since the opening of the season amounts to 41,900,000, against 44,100,000 for the corresponding week of last year, and the yield of steam-refined medicinal oil is 72,214 hectolitres, against 83,333 hectolitres last year. The market for finest medicinal oil is now 114s. per barrel, c.i.f. London, for 1925 crop.

Exchange Rates on London

The following is a list of Continental and other exchange rates against the pound sterling on London prevailing at 4 p.m. on Wednesday :—

Place	Method of Quoting	Par of Exchange	April 29	May 6
Amsterdam	Fl. to £	12.107	12.06 $\frac{1}{4}$ —12.06 $\frac{1}{4}$	12.06 $\frac{1}{4}$ —12.06 $\frac{1}{4}$
Berlin ..	M. to £	20.43	20.34—20.37	20.37—20.40
Brussels ..	Fr. to £	25.22 $\frac{1}{2}$	95.35—95.40	96.20—96.30
Calcutta ..	Per rup.	24d.	173 $\frac{1}{4}$ d.—174 $\frac{1}{4}$ d.	173 $\frac{1}{4}$ d.—174 $\frac{1}{4}$ d.
Constantople ..	Pst. to £	110	935—945	900—915
Greece ..	Dr. to £	25.22 $\frac{1}{2}$	254—257	266—269
Hong Kong ..	T.t. S		263d.—27 $\frac{1}{4}$ d.	27d.—27 $\frac{1}{4}$ d.
Italy ..	Lire to £	25.22 $\frac{1}{2}$	118—118 $\frac{1}{4}$	118.10—118.20
Kobe ..	Yen	24.58d.	20 $\frac{1}{2}$ d.—20 $\frac{1}{2}$ d.	20 $\frac{1}{2}$ d.—20 $\frac{1}{2}$ d.
Lisbon ..	Escu.	53d.	2 $\frac{1}{2}$ d.—2 $\frac{1}{2}$ d.	2 $\frac{1}{2}$ d.—2 $\frac{1}{2}$ d.
Madrid ..	Pts. to £	25.22 $\frac{1}{2}$	33.60—33.62	33.18—33.21
Montreal ..	S to £	4.86 $\frac{1}{2}$	4.84 $\frac{1}{2}$ —4.84 $\frac{1}{2}$	4.85 $\frac{1}{2}$ —4.85 $\frac{1}{2}$
New York ..	S to £	4.86 $\frac{1}{2}$	4.84 $\frac{1}{2}$ —4.84 $\frac{1}{2}$	4.85 $\frac{1}{2}$ —4.85 $\frac{1}{2}$
Oslo ..	Kr. to £	18.159	29.50—29.54	28.73—28.78
Paris ..	Fr. to £	25.22 $\frac{1}{2}$	92.35—92.45	93.00—93.10
Singapore ..	Per dol.		28 $\frac{1}{2}$ d.—28 $\frac{1}{2}$ d.	28 $\frac{1}{2}$ d.—28 $\frac{1}{2}$ d.
Switzerland ..	Fr. to £	25.22 $\frac{1}{2}$	24.97—25.19	25.07—25.09
Vienna ..	Sh. to £	24.02	34.40—34.45	34.40—34.50
Warsaw ..	Zloty to £	25.22 $\frac{1}{2}$	25.05—25.25	25.10—25.30

Crude Drugs, etc.

AGAR AGAR is cheaper, No. 1 Kobe offering on the spot at 4s. 6d. per lb. in quantity.

ALMOND OIL.—French expressed is quoted on the spot at from 3s. 4d. to 3s. 5d. per lb.

ALMONDS remain practically unchanged; prices of "P.G." and Bari have advanced at the source, but this market is not affected, as supplies of Persian are ample; holders of Morocco show more disposition to sell.

ANTIMONY.—The tendency of prices was generally easier. English refined was adjusted at about £65 per ton, while terms for Chinese regulus were further reduced, although at the lower level a steadier tone has become manifest in Chinese at around £43 c.i.f. for shipment. Warehouse parcels are called about £55. Chinese crude was reported done last week at about £38 on the spot, and to arrive £35 c.i.f. is quoted.

BELLADONNA ROOT is offered at 55s. per cwt., and belladonna leaves at 85s. per cwt. on the spot.

BISMUTH.—The market is very firm, while it is reported that the German demand is still unsatisfied. Importers are difficult to deal with, and there seems to be more wanted than is actually coming on offer. The Convention price is as before, at 7s. 6d. per lb. for lots of at least five cwt.

CAMPHOR (REFINED).—Japanese $2\frac{1}{2}$ -lb. slabs are unchanged, but with little demand, offering at 2s. 9d. per lb. on the spot; $\frac{1}{4}$ -oz. tablets are 3s. 5d. spot and 3s. 2d. c.i.f. *Crude* is unchanged at 2s. 6d. per lb. spot.

C.I.I. *Cannabis* is unchanged at 2s. od. per lb. spec.

CANNABIS INDICA.—It is reported that licences will be required to deal in this drug by brokers, merchants and wholesalers after the necessary legislative powers have been obtained. The licences will be obtainable from the Home Office.

CARAWAY SEED is cheaper, Dutch offering at 30s. 9d. per cwt. c.i.f., and on the spot 32s. 6d. will buy.

CARDAMOMS.—At auction, on April 30, 114 cases Indian and Ceylon offered, and 40 cases sold at about steady rates, comprising Ceylon-Mysore medium to extra bold long, 7s. 8d.; medium to small pale round, 7s. to 7s. 1d.; medium long, 6s. 6d. to 6s. 10d.; small ditto, 6s. 1d.; splits, extra bold pale, 7s. 5d. to 7s. 6d.; medium to bold, 6s. 8d. to 7s. 1d.; small, 6s. 2d.; medium to bold brownish split, 6s. 4d. to 6s. 5d.; small ditto, 5s. 10d. per lb. After the sale the bought-in lots were practically all cleared.

CASCARA SAGRADA.—The new crop for July-August-September shipment is offered at 55s. per cwt. c.i.f. London or Liverpool, and 1924 crop is 65s. c.i.f. to arrive. Business has been done at 62s. 6d. for 1924 crop on the spot in lots of 5 tons; 1920 peel is 160s. per cwt. spot.

CLOVES.—Zanzibar are steady, sellers quoting from 10d. to 10½d. per lb. on the spot as to quality. To

arrive, August-October shipment and October-December has been sold at 9½d. to 9½d. per lb. c.i.f. The landings during the week ending May 2 were 1,390 and the deliveries 391, leaving a stock of 13,856, against 38,714 in 1924 and 13,319 in 1923. So far this year the landings amount to 6,165, against 32,876 in 1924, and the deliveries 7,313, against 13,539 in 1924.

COCOA BUTTER.—At the Dutch auction on Tuesday Van Houten's "A" quality sold at 72.54 cents per half-kilo, against 69.28c.; "B" at 72.21c., against 64.63c.; Blooker's at 71.55c., against 64.33c. last month.

COD-LIVER OIL.—In London, agents quote finest new Lofoten medicinal oil at from 107s. 6d. to 110s. per barrel c.i.f.

Our Bergen correspondent writes, on May 2, that the codfishery at Finmarken was partially hindered by storms last week, but at several places the catch was rather favourable. The output of all the Norwegian codfisheries, compared with that of the previous years, are as follows:—

To	Catch of cod	Yield of steam-refined cod-liver oil	Livers for crude oils
April 25, 1925 ..	38,900,000	68,742 hectol.	7,693 hectol.
" 26, 1924 ..	40,100,000	78,956 "	11,305 "
" 28, 1923 ..	37,500,000	69,167 "	17,036 "
" 22, 1922 ..	31,000,000	57,378 "	9,594 "
" 23, 1921 ..	32,200,000	50,283 "	7,884 "

CORN PRODUCTS.—Dutch maize starch powder (corn-flour) is 18s. 9d. per cwt., American is 18s. 9d., and pearl starch 18s. 3d. per cwt. net on the spot. American maize starch crystals is 22s. 6d. net, and Dutch crystals is 22s. 6d. per cwt. Best English rice starch crystals is 36s., German 28s. 6d., and Dutch 27s. to 27s. 6d. per cwt. Dutch farina is steady at 20s. 6d. for superior, and prompt shipment is 20s. per cwt. f.o.b.; superior Dutch (maize) dextrin is 26s., and No. 2 25s. 6d.; American canary dextrin is 22s. 3d., and white 22s. per cwt., ex store, London. Liquid glucose is 25s. 7½d. for English or American water white, duty paid, landed terms.

ERCOT is quiet, with spot sellers of Spanish or Portuguese at 1s. 11d. per lb.

GINGER.—West Coast African is offered at the easier rate of 64s. per cwt. on the spot, and for May-July shipment 57s. c.i.f. is quoted. Cochin, on the other hand, continues neglected, fair washed rough offering at 100s., and Calicut brownish rough at 105s. Japanese on the spot is 95s. per cwt., and March-May shipment 80s. c.i.f. London or Hamburg. Jamaica continues slow, and prices for the commoner grades are easier; new crop rhatoon is now arriving, and the quality promises to be good.

HYDRASTIS has further advanced, spot holders quoting 21s. per lb. Our N.Y. cable quotes \$5.00 per lb. (about 20s. 8d. f.o.b.).

INSECT FLOWERS.—Closed Dalmatian are offered at 200s. per cwt. c.i.f. to arrive.

LIME JUICE is steady at from 2s. 9d. to 3s. per gallon on the spot.

LYCOPODIUM is steady at from 6s. 3d. to 6s. 6d. per kilo on the spot for treble sifted.

MAGNESIUM is in moderate demand on the basis of 3s. 9d. to 4s. 3d. for small ingots, and powder is 4s. 9d. to 5s. 9d. per lb. Continental offers are on comparatively cheaper terms.

MENTHOL meets with a retail sale only, the spot value of Kocabayashi-Suzuki being 44s. per lb. Forward positions are the same as last week; May-July shipment is quoted at 42s. c.i.f.

MERCURY.—There continues to be a listless demand from consumers, who do not seem to be in urgent need of fresh parcels at the moment. Quotations have remained somewhat nominal at about £13 10s. per bottle. The official returns for last month will doubtless disclose the fact that much larger quantities have been coming in, and there is presumably a good deal of metal held in secondhand and waiting for disposal. On the other hand, Continental producers are believed to be holding

only small stocks. Offers from the Continent are restricted, and mostly relate to secondhand parcels.

NUTMEGS are dull, and the impression prevails that prices will be reduced. Singapore 110's, 2s. 2d.; 80's, 2s. 4d.; 65's, 2s. 7d. per lb.; West Indian, 110's to 100's, 2s. 1d. per lb. Good Grenada *Mace* has recently sold at 3s. 9d., and choice St. Lucia at 4s. 6d. per lb.

NUX VOMICA.—Current prices are: Calcutta, 11s. 6d.; Madras, 12s. 6d.; and Cochin, 14s. per cwt. c.i.f.

OPIUM.—The market remains as last week, sellers quoting 2s. 6d. per unit for Turkey druggists', 11 per cent.

PEPPER has continued quiet, the spot value of fair black Singapore being 5½d. per lb.; to arrive, May-July and August-October shipment is 5½d. c.i.f. London; f.a.q., May-June, 5½d. c.i.f. White Muntok is easier; spot offering at 9d. to 9½d. per lb.; to arrive, May-July shipment is 9d.; August-October has been sold at 9½d. to 9d. c.i.f. Singapore is 8½d. spot.

PODOPHYLLUM ROOT.—American is quoted at 67s. 6d. and Indian at 110s. per cwt. on the spot.

RHUBARB.—There has been more inquiry, with sales of fine Shensi at 3s. per lb.

RUBBER.—Market has been excited and considerably dearer, spot, sheets have been sold up to 1s. 10½d. The firmness is due to American buying for immediate delivery, coupled with the important fact that the "bears" are heavily short of May rubber. The "squeeze" may only be temporarily, but higher prices will certainly be obtained whilst the "squeeze" lasts. Stocks were substantially reduced last week by 1,338 tons, whilst this week heavy deliveries are again anticipated. The upward movement will undoubtedly continue until more rubber comes into the market. Quotations (Wednesday, 5 p.m.): No. 1 standard crêpe and ribbed smoke sheet, spot, 1s. 10½d.; June, 1s. 10½d.; July-September, 1s. 9d.; October-December, 1s. 7½d.

SAFFRON.—Valencia improved during the past week by about 7s. 6d., sellers quoting 130s. per lb. for superior following firmer reports from Spain.

SANDARAC is rather more plentiful on the spot, but practically all in the hands of one holder, who asks 185s. per cwt. for good pale Morocco.

SARSAPARILLA.—Red native Jamaica is very firm, at from 1s. 7d. to 1s. 8d., genuine grey Jamaica is 1s. 7d., and Lima 1s. 6d. per lb.

SEEDS.—There has been a little more inquiry in the seed market at prices as follows:—**ANISE.**—Spanish, 62s. 6d.; Russian, 55s.; and Levant, 47s. 6d. **CANARY SEED.**—There has been a little more demand for Mazagan and business has been done up to 28s. per cwt., and sellers are now holding for 28s. 6d., and good bold Spanish at 34s. 6d. **CORIANDER SEED.**—Morocco has sellers at 15s. **CUMIN SEED** has sellers at 52s. 6d. for Malta and 50s. for Morocco. **DILL SEED** is unchanged at 21s. per cwt. **FENUGREEK SEED.**—Morocco is quoted at 16s. 6d. **HEMPSEED.**—Manchurian is 17s. per cwt. **LINSEED.**—Morocco, 25s. **MUSTARD.**—English, 32s. 6d. to 35s. per cwt.

SHELLAC is from 10s. to 15s. per cwt. cheaper on spot, the value of usual standard TN orange quality being 242s. 6d. per cwt.; fine second orange is 290s., superfine 350s., pure button 300s., AC cakey 260s., and GAL 260s. The sales for delivery include TN for May at 245s. to 240s., August 230s. to 222s. 6d., and October at 227s. 6d. to 217s. 6d. per cwt. To arrive, TN for May-June shipment is 220s., and July-August 220s. c.i.f.

SQUILL.—Good pale can be had at about 23s. per cwt. on the spot.

VALERIAN ROOT.—Owing to the pretensions of Belgian sellers it is difficult to do business, buyers being reluctant to pay 160s. per cwt. c.i.f., which is asked for new crop to arrive. No Indian is offered.

VANILLA.—At auction on Friday, May 1, 121 tins, of which 100 tins Bourbon mostly out of condition, sold, the "good keepers" being held for about previous auction prices. The following prices were paid:—Bourbon, first "poor keepers," 8 to 9 in., 31s. 6d. to 33s. 6d.; 7 to 8 in., 29s. to 31s.; 6 to 7 in., 25s. to 28s. 6d.; 4 to 5 in., 24s. 6d. to 25s. 6d.; slightly mouldy at ends,

to 19s.; more or less mouldy, 12s. to 15s. 6d.; mouldy, 7s. 6d. to 11s.; 18 tins, very dry, foxy, mouldy, d at 5s. per lb.; 4 tins, West Indian, were bought in other auction of vanilla, comprising 159 tins offered three brokers, will be held on Friday, May 8.

WAX, VEGETABLE.—Japan is quiet at 77s. 6d. per cwt. the spot.

Essential Oils

HERE are a fair number of price changes this week, most of which are downwards. Ceylon citronella and Bourbon geranium have improved for forward delivery. Movements in buyers' favour include bergamot and lemon, camphor, cassia and Java citronella, lemon-*ass* (c.i.f.), cedarwood and clove oil.

ALMOND.—Imported essential oil s.a.p. is quoted on the spot at 11s. 9d. per lb.

ANISE (STAR).—“Red Ship” on the spot is unchanged with sellers at 2s. 6d. per lb. Prices from China appear to be higher than spot values warrant at present, sums being quoted at 2s. 4½d. c.i.f.

BERGAMOT.—Forward prices are tending easier at from 3s. 3d. to 16s. per lb. c.i.f. for 37 to 38 l.a. Spot is noted at the same range.

BOIS DE ROSE (FEMELLE).—Is now fairly plentiful on spot, with sellers at from 16s. 3d. to 16s. 6d. per lb. as to quantity.

CAMPHOR.—Japanese white essential oil is cheaper at 2s. 6d. per cwt., in drums.

CASSIA.—Some forward business is reported, the present quotation being from 7s. 3d. to 7s. 4d. per lb. c.i.f. for 30 to 85 c.a. Spot is easier at 8s. 3d.

CEDARWOOD.—American is offered at the cheaper rate of 2s. 9d. per lb. in cases.

CINNAMON.—Ceylon leaf is unchanged at 5s. 6d. per lb., in drums.

CITRONELLA.—Ceylon is dearer forward at 2s. 5d. per lb. c.i.f. to arrive. Spot is unchanged at 2s. 6d. Java is cheaper on the spot at 4s. to 4s. 3d., and for shipment at 3s. 10d. c.i.f.

CLOVE.—English distilled is lower at 5s. 10d. to 6s. per lb. for B.P. High-percentage is quoted at 6s. 3d.

GERANIUM.—After a decline to about 150 fr. per kilo c.i.f. to arrive, Bourbon has again improved and 165 fr. = 15s. 9d. per lb. c.i.f.) is again asked. Spot is nominal at 20s. Algerian is cheaper at 25s. to 26s.

LAVENDER.—French natural oil, 38 to 40 per cent. sters, has been selling on the spot recently at 27s. 6d. to 28s. 6d. per lb.

LEMON.—Forward prices are lower, with 3s. to 3s. 2d. per lb. c.i.f. quoted for well-known brands. Spot sales have been made at from 3s. 5d. to 3s. 6d.

LEMONGRASS.—Cochin is easier to come forward at 5s. 4d. per lb. c.i.f. Spot is quiet and unchanged at 3s. 3d.

LIME.—Distilled West Indian is quoted at 8s. 9d. per lb. Small sales of hand-pressed have been made at 17s. 6d. per lb.

MINT.—Japanese dementhrolised Kobayashi-Suzuki is quiet at 15s. per lb. The sales include May-June shipment at 14s. c.i.f., and further sellers at 14s. 3d. c.i.f., October-December shipment has sellers at 11s. 6d. c.i.f.

ORANGE.—Sicilian sweet is unchanged at from 8s. 6d. to 9s. 3d. per lb. c.i.f. to arrive as to brand. Spot is cheaper at from 9s. to 9s. 6d. West Indian is steady at 9s. Californian sweet is cheaper at 5s. 6d. spot.

OTTO OF ROSE.—One of the leading Bulgarian distillers has issued a lengthy report on the otto of rose crop, but much of the information given appeared in our issue of April 25 (p. 623).

PALMAROSA on the spot is quoted at 14s. per lb.

PEPPERMINT is maintained at the easier rate quoted last week at 57s. 6d. per lb. for American natural tin oil. In other directions supplies are held at 60s. Re-distilled oil is 62s. 6d. Speculative offers of new crop unbranded oil are being made at about 30s. per lb. landed terms. Single cases of H.G.H. are quoted at 75s. per lb.

PENNYROYAL.—Spanish on the spot is steady at 7s. per lb. for good quality. French rectified is 8s.

SASSAFRAS.—Genuine American is cheaper with offers on the spot at 5s. 9d. per lb.

SPIKE.—Fair sales of Spanish ordinary grade have been made recently at 5s. 10d. to 6s. per lb. For tip-top quality the value is 6s. 6d.

THYME.—Spot sales of 40 per cent. phenols have been made at 5s. 3d. per lb. For usual 28 to 30 per cent. 4s. 6d. is asked.

VETIVERT.—Spot sales have been made at 47s. per lb. for Bourbon. Shipment from the Island is 37s. c.i.f.

The following arrivals of essential oils have taken place from the countries named during the period April 30 to May 6:—Bois de rose (Fr.), 1 dm.; camphor (Germ.), 2 dm.; cananga (Holl.), 1 dm.; cassia (Ch.), 50 cs.; cedar-leaf (U.S.), 2 dm.; dill (Germ.), 1 cs.; geranium (Fr.), 13 dm., (Reun.), 10 dm.; juniper (Czecho-Slov.), 1 dm.; lemon, 35 x ½ cs., 32 cs.; lemongrass (Brit. Ind.), 7 dm.; lime (B.W.I.), 15 elys., 24 dm.; mint (Jp.), 195 cs.; orange (B.W.I.), 1 cs.; palmarosa (Brit. Ind.), 8 dm.; peppermint (U.S.), 18 cs., 1 dm.; spike (Sp.), 6 dm.; undescribed (Fr.), 20 cs., (It.), 30 x ½ cs., (Germ.), 8 cs.

Pharmaceutical Chemicals, etc.

SEVERAL price alterations, mostly against holders of stocks, are recorded this week. The tone of the spot position is, however, fairly steady, but the marked lack of good business with very keen competition has the effect of bringing about these lower values.

ACETANILIDE shows up at cheaper prices this week, with dealers quoting at about 1s. 8d. to 1s. 8½d. per lb., for B.P. crystals or powder.

AMIDOPYRIN continues steady at about 14s. to 14s. 3d. per lb., with occasional business.

ASPIRIN.—The spot position is steady, with dealers' selling prices ranging from 2s. 8d. to 2s. 10d. per lb., according to quantity.

BARBITONE is offering at cheaper rates this week, with dealers asking 12s. to 12s. 6d. per lb., as to quantity.

BENZALDEHYDE (.03) continues dull, and dealers' prices are reduced to about 3s. per lb.

BENZOIC ACID (B.P.), practically free from chlorine, continues short in supply, and dealers' prices are steady at 2s. 6d. to 2s. 9d. per lb.

BENZONAPHTHOL shows a further fall, with dealers' prices down to about 3s. 6d. to 3s. 8d. per lb.

BETANAPHTHOL.—Resublimed has weakened, with some holders now offering down to 3s. to 3s. 3d. per lb.

BORIC ACID.—British makers' prices for all qualities for home trade are quoted at unchanged prices.

BROMIDES.—The position shows no change on the week, and the markets hold firm; ammonium, about 2s. 4d. per lb.; potassium, B.P. crystals and granular, about 1s. 11d. per lb.; sodium, B.P. crystals and granular, about 2s. 1d. per lb. Latest particulars regarding German bromides are given on page 693.

CAFFEINE.—The pure alkaloid can be had at 11s. per lb., sales having been made at about this price.

CALCIUM LACTATE.—Is steady, and meeting with some demand, as quoted, at 1s. 6d. to 1s. 8d. per lb., according to quantity.

CHLORAL HYDRATE.—Duty-paid crystals are offering at slightly cheaper prices again, with dealers quoting about 3s. 7d. to 3s. 9d. per lb., according to quantity.

CITRIC ACID continues steady, with dealers quoting about 1s. 4½d. to 1s. 4¾d. per lb., less 5 per cent. for B.P. crystals.

CREOSOTE (B.P.) is unchanged on a quiet market, with demijohns quoted at about 2s. 2d. per lb.; more for small lots.

CREOSOTE CARBONATE is unchanged, with the market neglected; dealers quote from 5s. 6d. per lb. and upwards.

GUAIACOL CARBONATE is somewhat easier, with dealers offering at 7s. 6d. to 7s. 8d. per lb., spot; business continues quiet.

HEXAMINE.—The spot position is fairly steady at 2s. 8d. to 2s. 9d. per lb., but business is keenly sought for.

HYDROQUINONE.—Business has been sustained here, and prices from dealers are steady to firm as quoted at 3s. 11d. to 4s. 2d. per lb., according to quantities.

LACTIC ACID (B.P.) continues to be quoted at 2s. 8d. per lb.; technical, 50 per cent. by weight, £42 10s. per ton, spot, net.

METHYL SALICYLATE.—Dealers' prices are a point easier again this week, as mentioned, at 1s. 7d. to 1s. 7½d. per lb., in carboys; small lots in bottles, up to about 2s. 1d. per lb.

METHYL SULPHONAL is at lower prices, with dealers offering at 18s. 6d. per lb.; market dull.

MILK SUGAR.—Prices for Dutch are cheaper; B.P. finest Dutch, 2 cases, 30s. per cwt.; 5 cases, 78s. 6d.; 10 cases, 78s. per cwt.; B.P. American, 200 lb. barrels, 75s. per cwt.

PARAFORMALDEHYDE (100 per cent. powder) in kegs continues to be quoted on spot at about 2s. per lb., with the market steady.

PARALDEHYDE is unchanged, with some business being done; dealers quote at 1s. 2d. per lb. in carboys, 1s. 5d. in cases, and 1s. 7d. per lb. for single 1 lb. bottles.

PHENACETIN.—Business seems to have been rather better of late, and prices perhaps a little more stable; quoted on spot from 4s. 8d. to 4s. 9d. per lb., according to quantity.

PHENAZONE is steadier, and prices hold as quoted last week at about 5s. 3d. to 6s. 6d. per lb., according to quantity.

PHENOLPHTHALEIN shows no further fall from dealers' prices of 4s. 8d. to 4s. 10d. per lb.

POTASSIUM PERMANGANATE (B.P.) is steady, and selling fairly well close up to dealers' quoted rate of about 7s. 4d. per lb., for quantities, in drums.

RESORCIN continues to be offered at 4s. 9d. per lb., but any sales of importance would probably be at a shade less.

SALICYLIC ACID (B.P.).—While British makers' prices are given as 1s. 5d. to 1s. 6d. per lb., the actual sale prices on this keenly competitive market would be about 1s. 4d. to 1s. 4s. per lb., as to quantity.

SALOL is steady, although in no great demand, with dealers quoting 3s. 6d. to 3s. 9d. per lb.

SODIUM BENZOATE (B.P.) is steady, with supplies reported short. Dealers' prices range in the neighbourhood of 2s. per lb.

SODIUM SALICYLATE (B.P.) is steady, with some business on the market; dealers quote powder and crystals at about 2s. 1d. to 2s. 3d. per lb., according to quantity.

SULPHONAL shows a further fall, with dealers' prices from 12s. 9d. to 13s. per lb., spot.

TANNIC ACID.—B.P. *leviss* is steady but quiet, with values unchanged at 2s. 10d. to 2s. 11d. per lb.

TARTARIC ACID (B.P. crystals).—The higher prices mentioned last week continue in force, with the tone on the firm side. Dealers offer quantities at 1s. to 1s. 0s. 4d. per lb., less 5 per cent.

TERPIN HYDRATE remains steady at the unaltered spot value of 1s. 8d. per lb., on a quiet market.

THYMOL is quoted at about 16s. per lb., with not much activity on the market.

VANILLIN.—Prices continue steady in the region of 23s. 6d. to 24s. 6d. per lb. for 100 per cent.

The following are makers' prices (per lb., unless otherwise quoted):—Acid camphoric, 21s. to 19s.; iron ammonium citrate: B.P. 2s. 3d. to 1s. 11d.; U.S.P. 2s. 2d. to 2s.; green, 2s. 11d. to 2s. 6d.; mercurials: red oxide, 5s. 4d. to 5s. 2d.; corrosive sublimate, 3s. 9d. to 3s. 7d.; white precipitate, 4s. 8d. to 4s. 6d.; calomel, 4s to 3s. 10d.; potassium citrate, 2s. 2d. to 1s. 10d.; sodium citrate, B.P.C. 1911. 1s. 11d. to 1s. 7d.; U.S.P. ditto, 2s. 2d. to 1s. 10d.; sodium nitroprusside, 16s.; sodium sulphide, pure recryst., 1s. 2d. to 10d.; ether, 720, 1s. 5s. to 1s. 1d.; ether, 720 purif., ex s.v.m., 2s. 3d. to 1s. 11d.; potassium acetate, 1s. 4d. to 1s. 1d.; terebene, 2s. 3d. to 2s.; acid phosphoric, 1.150, 1s. to 11d.; cadmium sulphate, pure, 4s. 3d. to 4s.

Among the arrivals of chemicals which have paid Key Industry Duty are the following:—Ammon bromide, £144; carbon tetrachloride, £408; cocaine hydrochlor, £220; hydroquinone, £149; oxalic acid crystals, £223; phenacetin crystals, £709; phenazone, £630; potash bromide, £129; potash permang., £295; rhodine crystals, £205; sodium benzoate, £147; sodium salicylate crystals, £168; chemicals undescribed, £2,960.

Industrial Chemicals, etc.

London, May 6.

A FEW isolated reductions in spot values are again noted this week, but the general tone of the market is unaffected, and continues steady. Business, which is limited, is being keenly sought after.

ACETIC ACID.—Dealers' prices hold steady, but business has been confined to small purchases 80 per cent. technical, £39; 80 per cent. pure, £40 per ton, in barrels; 99 to 100 per cent. pharmaceutical, £67 per ton, in glass demijohns, ex wharf, London.

ACETONE is steady, and business in a small way continues, with British Government Specification at £74 10s. to £75 per ton, in drums.

ALUM is steady, but not active, with dealers quoting lump in casks on spot at about £9 5s. per ton.

AMMONIA ALKALI from British makers, for home consumption only, is unchanged at £6 15s. per ton, in bags, f.o.r.

AMMONIA (ANHYDROUS) has been moving in small lots on spot at about 1s. 4s. per lb. for 90-95 per cent. in loaned cylinders.

AMMONIUM CHLORIDE is a shade cheaper, as quoted by dealers at £27 10s. to £28 per ton, spot; business fair.

ARSENIC.—The position remains very unsettled, in spite of the fact that the recent cheap offers by Japan disappeared, as mentioned last week. The situation in the United States has remained chiefly under the influence of the excessive supplies available. The Cornish mines are asking about £22 per ton, f.o.r.

BAARIUM CHLORIDE (98 to 100 per cent. prime white crystals) is steady on spot as quoted at £10 to £10 10s. per ton; Continental prices are also steady.

BARYTES show no change, with dealers offering Continental at £3 7s. 6d. to £5 5s. per ton, according to quality.

BLEACHING POWDER is quiet, so far as dealers are concerned, with their price about £9 10s. per ton, for 35 to 37 per cent. available chlorine.

COPPER SULPHATE.—The export demand has been lighter, and quotations have widened a little of late. The larger makers are asking £24 15s. to £25 5s. in casks, f.o.b. according to quantity, but buying in Lancashire is possible down to £24 10s., less the usual discount of 5 per cent.

CREAM OF TARTAR is quoted a shade cheaper this week, with dealers offering 99 to 100 per cent., at 78s. to 78s. 6d. per cwt., less 2s. per cent. in quantities.

EPSON SALT (commercial quality) on spot is available at £4 10s. to £4 12s. 6d. per ton, in single bags; market quiet, but steady.

FORMALDEHYDE (40 per cent. by volume) remains flat, and the quoted price of about £42 per ton is not steady.

GLAUBER'S SALT is offering at about £3 10s. per ton, in single bags, for commercial quality, spot, and slightly cheaper to arrive.

LEAD PRODUCTS.—The lower prices quoted last week, as quoted by dealers, continue in force, with inquiry good; lead acetate, spot, brown, £42 10s.; white, £43 10s. per ton; red lead, imported, £42 10s.; litharge, about £43; white lead, dry, £42; ground in oil, £43 15s. per ton, c.i.f. London.

OXALIC ACID is very steady, although the demand has not been quite so good of late; spot, 3s. 6d. to 4d. per lb. for quantities.

POTASH CAUSTIC.—Spot holders continue to do small business at £30 per ton for 88 to 92 per cent. solid, in drums.

POTASSIUM CARBONATE is rather firmer, with business good; 90 to 92 per cent., £25; 96 to 98 per cent., £26 10s. per ton, spot, and slightly less for quantities.

POTASSIUM CHLORATE continues to be offered on spot and to arrive at 2s. to 3d. per lb.

POTASSIUM FERMANGANATE.—Commercial quality, in drums, in large quantities, is now offered by dealers down to 6d. per lb.

POTASSIUM PRUSSIATE.—Yellow on spot is available at 7s. per lb., and a shade less for quantities to come forward.

SAL AMMONIAC.—Dealers' prices are very steady, and business continues; dog-tooth crystals, £40; medium, £37; fine white crystals, £23 to £24 per ton.

SODIUM ACETATE has been attracting a few buyers, with dealers' prices steady at £21 10s. per ton, ex store.

SODIUM HYPOSULPHITE.—Dealers have received more inquiry, and their prices are now steady; pea crystals (photographic), £13 10s. per ton, in one-cwt. kegs; commercial quality, £9 per ton, in casks; British makers' prices for four-ton lots of pure crystals is about £14 per ton.

SODIUM NITRATE.—Business continues much below normal, but prices in London are unchanged at £13 5s. per ton for 96 per cent., and £13 10s. for refined, f.o.r. docks; Liverpool prices are cheaper.

SODIUM NITRITE (100 per cent. basis) is steady on a quiet market, with the London quotation at about £23 15s. per ton.

SODIUM SULPHIDE, as quoted by dealers, is attracting very little business; 60 to 62 per cent. solid, £13 7s. 6d.; broken, £14 per ton, in drums.

SULPHUR continues steady, with a fair demand either for raw or refined. Sicilian or American crude stands at £5 10s., delivered Manchester, while quotations for refined are £9 12s. 6d. to £9 15s. for flowers, and £7 15s. per ton for roll, delivered ex London warehouse.

COAL TAR PRODUCTS, ETC.—One or two changes are recorded this week, the most important being a further fall in carbolic acid crystals, while pyridine is stronger. Pitch

remains practically idle. ANILINE OIL is unchanged, with British makers' selling prices, naked, at works, about 7½d. to 7½d. per lb.; dealers are competing with these prices. BETANAPHTHOL is a shade easier, with prices round about 1½d. to 1s. per lb. TOLUOL continues steady, and is finding some demand; 90s., fully 1s. 6d.; pure, 1s. 9d. per gallon. XYLOL. Pure, 3s. 3d.; commercial, 2s. 3d. per gallon; inquiry lacking. CREOSOTE oil has been slow all the week, but prices are maintained, and the market is steady; ex works, 6½d. to 6½d.; f.o.b., 7d. to 7½d. per gallon, in bulk quantities. CARBOLIC ACID crystals are easier again, with hardly anything doing at the moment; quoted by dealers down to 4½ to 4½d. per lb., f.o.b., in bulk packing, for 39° to 40° C. crystals. CRESYLIC ACID is steady, but not active; 97 to 99 per cent. is offered at about 1s. 8d. to 1s. 9d. per gallon. NAPHTHALENE remains flat, and dealers' prices, as quoted at about £14 15s. to £15 per ton for flakes, are not firm. Pure METHYL ALCOHOL is quoted to come forward, in drums, in small lots, at about £50 per ton, with buyers not attracted. HEXAMETHYLENE is steady, although quiet, as quoted at about 2s. 10d. per gallon. PYRIDINE is firm and active, with dealers' prices fully up to 19s. 6d. per gallon. PITCH.—The market quotation remains at 41s. per ton, f.o.b. East Coast, with hardly any business of importance about.

Fixed Oils, etc.

THERE has been a fair improvement in this section, with a number of items closing steadier and at better rates. More inquiry is being received. ACID OILS are rather steadier, but still quiet; coconut and palm kernel, 40s.; groundnut, 37s.; soya, 34s. 3d.; all spot. CASTOR.—Prices are nominal on an idle market; pharmaceutical, 67s.; first pressings, 62s.; second pressings, 61s.; all spot, in barrels, in not less than one-ton lots. COCONUT.—Deodorised is firmer at the higher rate of 52s., spot; Ceylon, 47s. 3d., c.i.f.; Cochin, 55s. 6d., c.i.f. COTTON is firm, with last week's higher prices maintained; deodorised, 52s.; common edible, 50s.; soapmaking, 48s.; crude, 43s.; all spot. GROUNDNUT is steadier, and improving; deodorised, spot, 55s.; crude Oriental, 51s., c.i.f. PALM KERNEL has advanced, and the market is steadier; deodorised, 49s.; crude, 43s.; all spot. PALM remains quiet, and spot values are quoted at a further slight discount; Lagos, 38s. 9d.; softs, 38s. 6d.; mediums, 40s.; hard, 41s. 3d.; bleached, 41s. 3d.; all spot. RAPE is dull and unsteady; refined, 54s. 6d.; crude, 52s.; all spot. SOYA is easier, and still dull; deodorised, 49s.; crude, 43s.; all spot. LINSEED (raw, naked).—Although prices for all positions advanced and closed at higher rates on the week, the tone is unsteady and the market irregular; on spot, 44s. 9d.; May, 44s. 7d.; May-August, 44s. 9d.; September-December, 44s. 3d.; boiled oil, 47s. 9d., spot; Hull, on spot, 44s.; May-August, 44s.; September-December, 44s. TURPENTINE.—With the American market again upward, prices here spurted once more, although the trade demand has not been very active; on spot, 73s. 6d., and July-December is 68s. 6d. per cwt.; for the present spot supplies appear to be well under control, and the price for early delivery continues at a premium; last week London's deliveries were 1,708 barrels, making the total since January 1 32,472 barrels, and the stocks were reduced to 14,885 barrels, which, including the quantities landing and afloat, made the visible supply 17,985 barrels, as against 12,684 barrels same date last year.—WOOD.—Hankow, in barrels, on spot, is quiet and weak as quoted at 61s. 6d. per cwt.

LUBRICATING, MINERAL, BURNING OILS, ETC.—After the changes in prices recorded last week there is little or no alteration to record. The general tone is steady, but business remains slow and small. BENZOL holds up well, with supplies limited; crude 65's, 1s. 3d. to 1s. 3d. per gallon, ex works in tank wagons; pure, 1s. 11d. per gallon, ex works in tank wagons. FUEL OIL.—Market dull, and prices unchanged; 950 gravity, £4 2s. 6d.; 890 gravity, £4 17s. 6d. per ton, ex tank. PARAFFIN WAX AND SCALE are very steady, with some business; wax, 3½d. to 5½d. per lb., according to melting point, in bags; scale steadier, at from 2s. per cwt., c.i.f. U.K. port. PARAFFIN OILS are unchanged; American standard white, 1s.; water white, 1s. 1d. per gallon, barrels free; Russian prime white kerosene, 6½d. to 7d. ex tank, 7½d. buyers' barrels filled free, and 10½d. per gallon, barrels free, ex wharf, London. PETROLEUM JELLIES remain dull, but a little steadier; white to snow white, £56 to £60; amber and yellow, £23 to £26; red vet., £20; dark stiff green, £17 10s. per ton, drums and barrels free, ex wharf, London. WHITE OILS are steadier, but still rather flat; Special No. 1, £29; No. 1, £27; No. 2, £25; No. 3, half-white, £24; No. 4, half-white, £18 per ton, drums and barrels free, ex wharf, London. SOLVENT NAPHTHAS have been quiet, and prices as quoted are not

steady; 90 to 160, about 1s. 3½d. per gallon; heavy, 90 to 190, 1s. 1d. per gallon. LUBRICATING OILS.—Market continues quiet on spot, with quoted prices unchanged; pales, £12 to £24; reds, £14 to £26; dark cylinders, £15 10s. to £35; filtered cylinders, £22 10s. to £36 per ton, less 2½ per cent., ex wharf, London; soluble oil, according to grade, from £20 to £29 per ton, nett. NO. 1 RUSSIAN OIL unchanged at £18 15s. per ton, less 2½ per cent.

German Chemical Markets

THE German chemical markets report a steady demand for potassium chloride for export. Recently export orders for bromides have increased, and prices are now slowly advancing to approximately those established by the bromine convention. Potassium bromide and sodium bromide for export were both quoted in South Germany at \$69.50 per 100 kilos, f.o.b., although for the home market the price for the former is m. 3.05, and for the latter m. 3.40 per kilo. In Hamburg, on the other hand, sodium bromide was not in demand at \$80, although considerable business was done in potassium bromide at \$73 per 100 kilos. Stocks of ammonium bromide in dealers' hands are almost exhausted. In spite of the large export orders, dealers have been able to supply from stocks without calling on the manufacturers for deliveries. The bromine convention has decided to increase the established prices by m. 0.20 per kilo for deliveries of less than 100 kilos; however, even in the home market, dealers are still able to supply at below the convention's prices. A rise in iodides is expected.

Spanish Mercury

ACCORDING to the U.S. Consul at Barcelona, a notice of the official body administering the State-owned quicksilver mines of Spain, dated February 18, announces a new sales policy for the output of the mines. A translation of the text reads:—"By decision of this Council of Administration, the price of £12 per flask of quicksilver on cars at Almadenejos is annulled. In futuro there will be no publication of prices, which will be the subject of contracts in each case." Since the Spanish Government about two years ago assumed direct charge of the sale of the quicksilver produced at its mines, it has been the policy to publish in the "Gaceta de Madrid" from time to time fixed prices, in pounds sterling, for export and in pesetas for Spanish industries, at which the metal will be sold. Formerly, price changes were relatively infrequent, the same quotation often being maintained for months at a time. Recently fluctuations have been much more frequent, due no doubt to conditions in the world's metal markets, and this has probably been instrumental in determining the new policy. It is understood that the Spanish quicksilver mines have had to meet sharp competition from those of Italy.

African Olive Oil Production

FROM information placed at our disposal by the French Government, the amount of olive oil produced from last year's crop in Algeria aggregated 349,214 hectolitres, the department of Algiers contributing 103,696, Oran 29,440 and that of Constantine 216,078 hectolitres. The production in Tunis in 1924 amounted to 22,000 tons, exactly as much as in the preceding year. From the following figures it will be seen that the yield of olive oil in Tunis varies annually within wide limits (amounts in tons):—1915, 176; 1916, 554; 1917, 150; 1918, 390; 1919, 165; 1920, 450; 1921, 340; 1922, 180; 1923, 220; 1924, 220. A recent census of olive trees in French Morocco showed that the largest number—about 1,000,000—are to be found in the district of Marrakesh, Fez following with some 800,000, and the district of Mequinez coming third with about 500,000 olive trees. It is impossible to ascertain with accuracy the actual production of olive oil, but on the assumption that each tree yields on an average 20 to 25 kilos of olives, representing in a good year for the whole of Morocco a crop of about 50,000 tons of olives, and that 15 litres of olive oil are obtained from 100 kilos of fresh olives, the aggregate output of olive oil may be estimated to amount to about 75,000 hectolitres. There are about 400 native oil mills, which work from five to ten months in the year, where an acid and rancid oil is produced by primitive methods. The yield might easily be increased by 20 to 25 per cent. by the introduction of modern methods; indeed, the European oil mills already established in the country succeeded in expressing about 20 litres of oil from 100 kilos of olives. However, owing to the inordinately high price demanded for olives by the natives, almost all these mills have had either to close down or work short time, being unable to meet the competition of the native mills.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

The Council Election

SIR.—The "vigorous criticism and strong accusations" made by Mr. Cofman-Nicoresti, to use his own words (*C. & D.*, May 2, p. 658), should prove a boomerang. He appears to have been studying cross-word puzzles and selecting all the imposing words without any relation to the object. It was in December last that he annexed someone else's thunder; he afterwards tried to get six men of experience to act under his leadership. This attitude of negation is just what we in London are fighting. Organisation here is exceedingly difficult; and when a man comes forward, snaps his fingers at us all and banks on a disturbed electorate in the country to give him a following, it is for those who have toiled through day and night for nearly twenty years to make democratic control effective, to speak the truth as they understand it. The issue is plain: individualism barging in, or organised effort through our branches. In London we have been building our organisation for the last fifteen years. We have had our differences; we have sometimes appeared to be fighting each other; but one thing stands out clear—we have all had one object in view and getting together in concentrated effort has been one of our greatest difficulties. The general feeling in our branches is to strive by every legitimate means to attain our desired goal—and there is still much work ahead for thinking men to accomplish. We endorse "Xrayser II's" crystalloid in writing of this candidate: "his vigour is rather inclined to run over into violence." It is a healthy sign that new candidates backed by their branches should come forward, and they deserve every consideration the electorate can give; but unattached strong accusations are surely unwanted in pharmacy when their vigour is inclined to run over into violence.

Yours, etc.,

T. MARNS.

H. SKINNER.

London.

SIR.—The advantage in the Council elections is always with the retiring Councillors, whether their services have been good or bad. New candidates are, therefore, slow in coming forward; one does not mind a "sporting chance," but in past elections there has not been even this. There is also great difficulty in making oneself known and convincing the electors that a change will be beneficial. It is clear to all of us that at the forthcoming Council election the old régime should not be elected *en bloc*, although there are a few of the present members who have done good work and should be again sent back to Bloomsbury Square. This is an election when all the new candidates should be elected and given a chance—the only effective answer we can make to the recent muddle of the by-laws and regulations. I am personally acquainted with one of the new candidates, Mr. Beardsley, who was my predecessor in the chair of the East Metropolitan Branch. I can confidently appeal to my brother-pharmacists to vote for him. His address speaks for itself. I know him to be a man of his word, he is both courageous and fearless, and the kind of man we badly want now at the Square. I should like to see him not only elected, but placed at the top of the poll.—Faithfully yours,

W. GRAY.

Walthamstow, E.17.

SIR.—We have read and heard a good deal of the Army pharmaceutical service in the years since the war, and the protests which have been made on the way in which qualified pharmacists were employed; it is illuminating, though very disappointing, to find that the same mistake is made in our own Society—namely, the mistake of ignoring the man who is qualified for the job. We read in your third series of articles on Council candidates (*C. & D.*, May 2, p. 649) that Mr. Skinner "is probably the only reputed educationist not on the Educational Committee which fathered the by-laws and regulations." Probably if he had been a member of

that Committee some of the clauses to which so much objection has been taken would never have been included, or at any rate would have been better adapted to the end aimed at—such items; for instance, as the granting of certificates to failures and the 2,000 hours for a pharmaceutical chemist instead of the 4,000 required for a chemist and druggist. Although it is too late to alter these things now, I am pleased to see that the joint letter of Messrs. Marns and Skinner upholds the principle of more democratic control; and as this is the only way to prevent a repetition of rushed regulations in future, it is to be hoped that they will hold their seats so as to bring about such a desirable end.

Faithfully yours,
REVISER (4/5).

Is Pharmacy Taught in Shops?

SIR.—In the report of the meeting of the Edinburgh Branch of the Pharmaceutical Society at Kirkcaldy (*C. & D.*, May 2, p. 639), the President said that pharmacy was not taught in a shop nowadays. There seems to be a divergence of opinion as to what pharmacy is. If by practical pharmacy we are meant to understand the manufacture of galenicals on a wholesale scale it is freely admitted that this is not carried out in retail premises to-day. But if by pharmacy we understand what should be the logical end of our training—namely, the extemporaneous preparation of prescriptions and medicines, and include those B.P. and other products which can be made by the pharmacist on the dispensing counter, then there are plenty of retail pharmacies in this country in which this work is done efficiently daily, and in which a youth can obtain adequate training. The qualification was originally intended for keeping open shop, but it looks as though there will have to be two classes of qualified men in the future—one for the retail and one for the wholesale. Perhaps this is what the Council had in mind when framing the new regulations, although, if this is so, the danger lies in overlapping.

I am, etc.,
RETAIL MAN (4/5).

The Obsession of Legislation

SIR.—Your recent intimation that the Home Office are contemplating the extension of Dangerous Drugs Acts Regulations to include any quantity of a "dangerous" drug contained in a preparation is a confirmation of predictions which were expressed when the Act was passed. The inclusion of all preparations containing any proportion of these drugs would completely prohibit the sale of all family recipes, such as "All Fours," practically every chemist's own packed cough cures, and many of the proprietary ones as well; in fact, to all intents and purposes it would reduce the pharmacist to the same level as the unqualified drug-store man. At any rate, the proposal will give the new Council of the Pharmaceutical Society something to start on at once, and it is to be hoped that pharmacists will not be let down in this matter as they have been in similar cases. From the daily Press I see that deaths caused by drinking spirit of salt are creating excitement, and it is suggested that it may be possible to restrict its sale under the Dangerous Drugs Acts. These Acts seem to have become an obsession to some of our legislators. It is admitted that spirit of salt is sold, even to-day, without any precautions by small oilshops; but its inclusion in Part II of the Schedule would be sufficient restriction. If articles such as this can be put under the Dangerous Drugs Acts by regulation, it shows what a weapon these Acts could become in the hands of any official with peculiar views on poisons—in fact, they could replace the Poisons Schedule under the Pharmacy Acts altogether, if the process was carried to the extreme.—Yours faithfully,

MURIATIC (5/5).

Appreciations

As long as I have a spare "quid" I shall subscribe for the *C. & D.*.—G. S. W. (20/2).

I find the *C. & D.* more than a companion, and exceedingly useful at all times.—K. V. T.

Dispensing Difficulties and Notes

A Homogeneous Cream

SIR.—Could you tell me the best way to make up the following:—

Sol. adrenal. chlor. (1-1,000)	...	ʒ.i.
Menthol	...	ʒss.
Meth. salicyl.	...	ʒij.

Lin. pot. iod. c. sapone

ad ʒi.

Faithfully yours,

E. M. (4/5).

[Mix the solution of adrenalin chloride with the iminent of potassium iodide with soap, and incorporate the mixture gradually with the menthol and methyl salicylate previously mixed together in a mortar. In this way a thinning homogeneous cream is produced. The compound becomes slightly pink owing to development of colour in the adrenalin solution, which is doubtfully compatible with soap.]

A Strychnine Reaction

SIR.—Could you inform me what action takes place in the following mixture:—

Ac. nit.-mur. dil.	...	...	...	ʒiss.
Liq. strych.	...	...	...	ʒiij.
Aq.	...	...	ad	ʒvi.

After a few days the mixture becomes quite yellow.

Yours truly,
W. G. D. (23/3).

[The action which occurs between the strychnine and dilute nitro-muriatic acid is an oxidation one, some form of oxystrychnine being produced. The exact nature of the products of the reaction have not, so far as we know, been determined. The reaction is comparatively well known, and with tincture of nux vomica is more energetic, sufficient at times to burst the container. One chemist who supplied the latter mixture as a pick-me-up always packed two ounces in a four-ounce bottle to prevent a burst, which invariably happened when a two-ounce bottle was used. There is a reference to the subject in "The Art of Dispensing."]

A Pink Paste

SIR.—(1) We are curious to know why the pink colour develops in the following:—

Pulv. acetanilid. co.	...	...	gr. iii.	-
Acid. acetylsalicyl.	...	...	gr. iii.	-
Phenacetin.	...	...	gr. iii.	-
Caffein.	...	...	gr. ii.	-

We made this up and put into gelatin capsules. Two days after they were brought back by a customer with a distinct pink colour, and the powder had gone into a sticky paste. We made these up with plain acetanilide, and these apparently kept well.

(2) Is there any means of keeping chloral hydrate in solution for dispensing purposes? In this part of the world [Straits Settlement] it is liquid before it arrives.

Yours truly,
AJAX CARDIFF (23/3).

[(1) In a dry capsule not tightly packed the powder appears to remain unchanged, and as a powder it keeps well. The least moisture, however, would set up action between the sodium bicarbonate in the compound powder of acetanilide and acetylsalicylic acid. The untoward result you obtained was probably due to a moist atmosphere or a capsule retaining some moisture. The pink coloration we have endeavoured to reproduce without success. The colour suggests a trace of iron—readily indicated by salicylic acid, a little of which would be set free from the acetylsalicylic acid when disturbance occurred in the powder. The iron may have been accidentally present in minute quantity in the sodium bicarbonate or in the gelatin of the capsule. (2) For dispensing purposes chloral hydrate is kept in solution one in one. Being itself a preservative, it requires no addition to the solution. In this country we place 480 grains in a bottle and add distilled water to produce a fluid ounce, shaking occasionally till solution is effected.]

Legal Queries

H. S. (5/5).—Calomel is not a scheduled poison.

E. W. E. (3/5).—As superintendent of the business you may sell the poisons in question. It is not necessary for your name to appear on the label; the company is liable in law.

J. E. H. (6/5).—The position as regards the British Pharmacopoeia as a standard for medicines is stated in the *C. & D.*, January 31, p. 178. It is *prima facie* a standard for the articles named therein unless evidence to the contrary is brought.

W. B. (2/5).—The sale of arsenical weed-killers and sheep-dips comes within Part I of the Poisons Schedule and the signature of the purchaser is required in the Poisons Book. This relates to retail sales. The Schedule is now in force.

Inquirer (2/5) asks whether apprenticeship indentures must be stamped, and, if so, for what amount. [Apprenticeship indentures require a 2s. 6d. stamp. There are certain exemptions from this stamp duty, but they do not apply to chemists.]

L. M. S. (4/5) is lessee of a chemist's shop. He is leaving at the end of the lease; must he keep the shop open all day and every day in the meantime? The lease does not refer to this point. ["L. M. S." need not open the shop at all unless he has expressly agreed to do so. There is no implied obligation to continue to carry on business until the expiration of the lease.]

S. C. R. (2/5) employs a charwoman for about six hours every week. She does not work for anyone else. Must she be insured under the National Insurance scheme? [As the charwoman is employed regularly, she must be insured under the Health Insurance scheme. If, however, she is engaged only in domestic work she does not come within the Unemployment Insurance scheme.]

E. E. G. (29/4).—Your position as a doctor's dispenser is that you are acting in the employ of medical men and the Poisons and Pharmacy Acts do not affect you in the dispensing of medicines for them. Under the Dangerous Drugs Act Regulations, however, you must keep the records expected from doctors controlling their own dispensing arrangements. These were given in the *C. & D. Diary*, 1924, p. 258.

Ferrum (4/5).—Is it permissible for John Jones to trade as "the Ferrum Company" without disclosing his name on all stationery? Is it sufficient if his name is given only on the first communication sent to each individual with whom he does business? [The business must be registered in accordance with the Registration of Business Names Act, 1916. That Act requires that the name John Jones shall appear, in addition to the trade name, upon "all trade catalogues, trade circulars, showcards and business letters." It is not sufficient to give the true name once only to each supplier or customer.]

G. W. & Co. (17/4) writes in reference to the manufacturing chemists and wholesale chemist and druggist's £10 spirits licence, which he holds, and asks whether he is really liable to pay the magistrate's certificate fee of 6s. for its renewal each year. [This is a matter which has been the subject of some controversy. The Finance Act, 1911, provided for the grant of this licence to enable a manufacturing or wholesale chemist to sell rectified spirits of not less than 43 degrees overproof to duly qualified medical practitioners or duly registered chemists and druggists, or persons requiring the spirits for use for scientific purposes in a laboratory. At the same time, it gave the Commissioners of Customs and Excise power on granting the licence to attach such conditions to the grant as they might think expedient for the protection of the revenue. The Commissioners for some reason have come to the conclusion that they ought to grant this licence only to persons holding the requisite magistrate's certificate, and while they continue to hold that view, the certificate must, of course, be paid for at the current rate.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

J. F. (16/4).—FLY PEST IN COW SHEDS.—The advice you have given the farmer to clean thoroughly the cow sheds is the best that can be done. Lime wash used on the walls and joists is the best treatment. Formaldehyde is fatal to flies, either as spray or in traps. The latter are made by mixing formalin 1 oz. with 8 oz. of milk and water, placing this in shallow vessels with a piece of bread in the centre. The bird lime wires should be continued.

H. J. W. (17/4).—ACCUMULATOR ACID.—This is generally required of sp. gr. 1.22, and is made by mixing one part (by volume) of pure sulphuric acid with four parts of distilled water. Some accumulators require a different strength of acid, the proper sp. gr. being stated on the label. A table of dilutions of sulphuric acid to obtain different sp. gr. was given in the *C. & D.*, January 3, 1920, p. 32.

P. B. (18/4).—A youth should have passed the Preliminary examination and become registered with the Pharmaceutical Society as a student before beginning apprenticeship, as the 4,000 hours required in the curriculum only count from the date of registration.

E. M. (18/4).—FIXING CREAMS containing either tragacanth or quince mucilage are suitable for use as fixing creams for women's hair. We are not acquainted with the article you mention.

Kerr (18/4).—OPTICAL DIPLOMAS.—The details of the various optical examinations are given in the last *C. & D.* Educational Number, August 16, 1924. We shall be glad to supplement the details there given if you find them insufficient. The examinations of the Spectacle Makers' Company and the British Optical Association are difficult, and it requires sustained effort to obtain the diplomas.

J. W. (20/4).—BAY RUM.—The following is a suitable formula for the manufacture of bay rum from industrial methylated spirits:—

Oil of bay	...	...	5x.
Oil of pimento	...	...	3j.
Extract of quassia	...	...	5j.
Saponin	...	...	5ij.
Acetic ether	...	...	5ij.
Industrial spirit	...	...	Cong. iij.
Water	...	...	Cong. ij.

The formula must be submitted to the Board of Customs and Excise and permission obtained before the bay rum can be manufactured.

A. H. (20/4).—BROWNING FOR RIFLE BARRELS:—

Sweet spirit of nitre	...	...	5jj.
Sulphate of iron (sat. sol.)	...	...	5iss.
Sulphate of copper	...	...	5jj.
Butter of antimony	...	...	5iss.
Water	...	...	Oij.

Mix all except the water, and after twenty-four hours add the water. Clean the polished steel with lime-water, and apply the solution. After twenty-four hours give it another application. Clean and polish with sweet oil.

Apothecary (21/4).—PRESCRIPTION PRICING.—The following is the charge for the prescription according to the *C. & D.* Costing System:—

			d.
Liq. strych.	...	mj.	8
Quin. hydrobrom.	...	gr. j.	3.0
Pot. brom.	...	gr. ij.	gr. 16
Acid. hydrobrom. dil.	...	mx.	80
Syr. glycerophos. co. B.P.C.	...	5j.	5.0
Aq. chlorof.	...	ad	5j.
Mitte	5vij.		5vij.
Container	...	...	2.0
Dispensing oncost	...	...	8.0
Charge, 2s. 2d.			26.0

Tyke (21/4).—(1) SKIN-CREAM.—The type of skin cream about which you inquire is represented by the following formula:—

Powdered tragacanth	...	...	5j.
Carbolic acid	...	...	5j.
Glycerin	...	...	5ij.
Oil of lavender	...	...	mx.
Oil of rose geranium	...	...	mx.
Rectified spirit	...	...	5ss.
Distilled water	...	...	5vj.

Dissolve the essential oils in the spirit and the carbolic acid in the glycerin. Mix the spirituous solution with the tragacanth in a mortar and add the mixed glycerin and water all at once, and stir till uniform. (2) RESTORING SREAD PLASTERS.—There is no entirely satisfactory method of restoring spread plasters that have become dry, but sponging with a mixture of glycerin and water has a fairly satisfactory effect.

T. G. (21/4).—INSURANCE DISPENSING.—The provision in the National Health Insurance Regulations regarding doctors' dispensers is given in the *C. & D. Diary*, 1925, p. 273. There are no provisions for registering such men.

W. O. & S. (21/4).—MANUFACTURE OF AERATED WATERS.—We are not able to recommend a modern book on the manufacture of aerated waters, as there has been none published on this subject for many years.

H. W. B. (21/4).—SOILED SPONGE.—We have carefully examined the sponge you sent us, and our opinion is that the darkening of the sponge in parts is a deposit of lime salts brought about by the use of soap in hard water. The fact that this is coloured is because the lime soap picks up dirt. The dotted appearance is owing to the structure of sponge. You will find that it is removed by washing in warm soda and water; a caustic alkali removes it sooner, but is likely to injure the sponge. It is no fault of the sponge, but is due to hard water. It is often found in London, where the water is very hard.

J. D. (21/4).—BASIC SCARLET RED N, referred to in the *C. & D.*, March 28, p. 464, is manufactured in France by the Cie: Nationale des Matières Colorantes. Owing to the Dyestuffs (Import Regulation) Act, you may have some difficulty in obtaining a supply of the dye, but we understand that a similar dye is made in this country.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," May 15, 1875.

The Goa Stone

Several correspondents ask about that Goa Stone alluded to by Daniel Hanbury in the fac-simile letter printed in this journal last month. The following extract from the "Pharmacopeia Bateana, 1688," translated by Dr. Salmon (1700), will give the desired information, and is curious, if not useful.

"Lapis de Goa—Goa Stone.

R Of the hyacinth, topaz, saphire, ruby, pearls	...	...	...	...	aa	5j.
Emeralds	...	...	...	...	...	5ss.
Oriental bozaro, white and red coral	...	...	...	aa	5j.	
Musk, ambergrise	...	...	...	aa	5ss.	
Leaves of gold	...	...	...	...	...	40

Make all into fine powder, which bring into a paste with rose water and form into oblong balls not much unlike to little eggs, drying them well in the shadow: then with a limpet's shell, or some other thing of like nature, let them be curiously polished that they may have a gloss upon them S A. It has the same vertues with the former (Constrayera): Besides which is it a Specifick against cramps and contradictions of the nerves. Dose, a 3j. ad 5ss. or more."

On which Salmon remarks:—

"'Tis true you may make it up with simple rose water, but then it will be apt to break with the least fall; your better way will be to add a little mucilage of gum tragacanth, or jelly of hartshorn, or some such like, which, being dried, will make the stone not only firmer, but the better also to be polished."

[Commenced C. & D., July 5, 1924]

Cerium and its salts find uses both medicinally and industrially. The metal itself is pyrophoric, and mixed with 30 per cent. of iron forms the alloy used in petrol-lighters. Cerium takes fire more easily (igniting at 150° or 180° C.), and also burns more brilliantly than magnesium. Cerium occurs with and is associated chemically with the metals of the rare earths. It is now obtained in commercial quantities in the working up of monazite sand for thorium. The thoria used for impregnation of gas mantles consist of 99 per cent. thorium dioxide and 1 per cent. cerium dioxide, as this composition on incandescence gives maximum luminosity, more or less cerium oxide reducing illuminating power. In medicine cerium salts (oxalate $Ce_2(C_2O_4)_3$, $10H_2O$, or more rarely nitrate $Ce_2(NO_3)_6$, $6H_2O$) are prescribed at times to relieve vomiting (of pregnancy or sea-sickness).

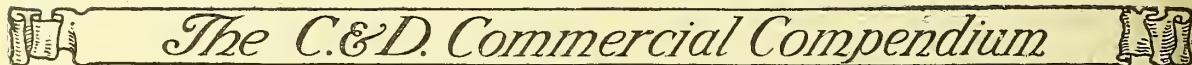
Certificate of Qualification.—A person satisfying the examiners under the Pharmacy Act, 1868, is given a certificate of competent skill and knowledge and qualification specified in Section 6 of that Act. This certificate is signed by the chairman of the Board of Examiners, usually the President of the Pharmaceutical Society. The receipt of this certificate entitles a candidate to registration as a chemist and druggist. A pharmaceutical chemist is granted a certificate under Section 10 of the Pharmacy Act, 1852, which entitles the holder to registration as a pharmaceutical chemist. The exhibition of the certificate in open shop is governed by Section 3 (1) of the Poisons and Pharmacy Act, 1908. In the case of a limited liability company, or a business carried on under the widows' clause by an executor the qualified manager must exhibit a form of registration in a conspicuous place in the shop. Membership of the Pharmaceutical Society entitles a person to use a certificate of membership, and though this is some evidence of qualification, it is not a certificate of qualification which is only granted by the examiners. The loss of a certificate of qualification can only be made good by the form provided for a nominal fee that such a person is registered.

Ceylon.—There is no registration of pharmacists in Ceylon, although this is required for medical practitioners and dentists. The only statute affecting the pharmaceutical profession is embodied in the Ordinance of 1901 to Regulate the Possession and Sale of Poisons. Article 4 stipulates that the Government agent of each province shall issue to such persons as he may consider of sufficient skill and habitual caution a licence to sell poisons either by wholesale or retail, and may also revoke the same if it shall appear expedient to him. Attached to the Ordinance is a schedule containing a list of statutory poisons, to which additions may be made by the Government on the advice of the Principal Civil Medical Officer. Under the regulations of 1903 the schedule of poisons is divided into two parts; those in Part I to be sold by retail on making an entry in the poisons book, and the word "Poison" must appear in English, Singalese and Tamil on the label. This label must also be affixed to the container when selling a poison included in Part II. Further, all prescriptions calling for scheduled poisons must be entered in the prescription book. By a proclamation of 1908, medical practitioners registered in Ceylon and not keeping an open drug store are exempted from obtaining a licence, but must in all other respects comply with the foregoing provisions, which also apply to apothecaries in Government employment. The fee for the annual licence to sell poisons is 5 rupees. A licence to sell cocaine

wholesale costs 5 rupees, and for its retail sale, 10 rupees annually. In 1924 there were altogether 102 poison licences in force in Ceylon.

Chairman of Company, Duties.—It is the duty of the chairman of a company meeting to preserve order, conduct the proceedings in a proper manner following any rules on the subject laid down in the regulations of the company, and ascertain the sense of the meeting on any matter which is properly before it. He is to decide all incidental questions as to business that may arise. If he were to rule that a resolution put to the meeting had been passed and nobody questioned the ruling at the meeting, it cannot be subsequently challenged. On the other hand, if a chairman rules that an amendment proposed which is really proper is out of order, this may be afterwards impeached in Court, although it was not questioned at the time. And although a resolution is in the ordinary course moved and seconded, yet if this is not done and the chairman puts it to the meeting and it is carried, it may be valid. It is the duty of a chairman to secure a hearing for a minority; but after the views of the minority have been heard the chairman can, with the support of a vote of the majority, declare the discussion closed and put the question to the vote. When a vote is taken this may be by show of hands, and the chairman's declaration that the resolution is carried is, unless a poll is demanded, conclusive evidence of the fact. When the company's regulations so provide, a chairman has on an equality of votes a casting vote in addition to his ordinary vote. The chairman cannot if the meeting opposes it stop or dismiss the meeting. If he refuses to act, another chairman may be elected in his place and the business of the meeting proceeded with. The Companies Act, 1908, provides that every company governed by that Act is to have minutes kept in a minute book of all its proceedings, whether at general meetings or at directors' or managers' meetings. These minutes are required to be signed either by the chairman of the meeting to which they relate or by the chairman of the next succeeding meeting. If the minutes have been signed by the chairman they are admissible in evidence to prove any matter in dispute, although the signature may not have been affixed at the meeting.

Chairman of Meeting, Duties.—The first duty of a chairman on taking the chair and calling for order is to see if the meeting has been duly convened and if the requisite quorum is present. He should then read or cause the secretary to read the correspondence, if any. The minutes of a previous meeting, if any, should then be read and, if they had not been signed by the chairman of that meeting, he should, with the assent of those present at the meeting, sign these minutes as confirmed. After this he should proceed to deal with the business as it appears on the agenda paper, making, should he think it necessary, some introductory remarks; after which it is his duty to call upon the person entitled to move the first resolution. If this is seconded, it is the business of the chairman to read it out and invite the meeting to discuss it. In case more than one speaker rises to speak at the same time, it is the duty of the chairman to decide which shall have the preference, subject to this—that by a resolution duly put to the meeting, seconded and carried, that some named speaker shall be heard, the speaker so named is to have the right to speak first. If an amendment is proposed it is the duty of the chairman to decide if it is one which it is proper to accept, and if so he should have it moved and seconded in the same way as an original resolution. An amendment ought to be in writing and be relevant to the original question, and not a mere negative of it, or such as if passed would render it unintelligible. If adopted the resolution as so amended becomes the substantive question, to which further amendments may be moved, subject to this—that no amendment should be allowed to any portion of the resolution which the meeting by vote had already adopted. While the substantive resolution is before the meeting a member may move either the "previous question" or "that the meeting proceed to the next



The C. & D. Commercial Compendium

business." If the former is duly moved and seconded it must be decided upon before a vote can be taken on the main question; in the event of the latter resolution being moved and carried, no decision can be taken on the main question at all. During a discussion it is in the discretion of the chairman to accept the closure motion "that the question be now put." Such a motion, formally moved and seconded, may not be discussed, and must be put, if accepted by the chairman, forthwith. If a question is put to the meeting it is the duty of the chairman to say whether or not it is carried, and if a poll is demanded he should have a poll taken of those present. The chairman ought to declare the meeting adjourned when the business for which it was called together is transacted, and he may with the consent of the meeting adjourn it at any time before the business is dealt with.

Chambers of Commerce.—Chambers of commerce are non-political bodies of traders and business men formed to promote and protect the interests of its members. The main functions of the chambers are to keep their members informed upon all commercial matters at home and abroad which are likely to affect them, to encourage the discussions of trade points and the exchange of ideas, to assist and advise their members who experience difficulties or suffer injustices, to make organised representation to Government departments and municipal bodies when matters affecting traders are involved, and generally to safeguard and foster the interests of individual members and groups of members. In most of the principal towns in the United Kingdom there is a chamber of commerce or a chamber of trade. In many foreign towns, also, there are British chambers of commerce, and some foreign countries have chambers in British towns. The principal chambers are affiliated in a joint body known as the Association of British Chambers of Commerce, whose offices are at 14 Queen Anne's Gate, London, S.W.1.

Chamois Leather.—Chamois leather, which at present is almost exclusively obtained from sheep skins, is distinguishable from other classes of leather by its softness and open texture. After removal of the wool, the skin is soaked in milk of lime, then split by machinery, and the inside lining or flesh tanned with cod-liver oil. The skins can be produced in all colours by means of aniline dyes. The usual methods of bleaching are: (1) After treatment with a 2 per cent. solution of neutral soap, the skin is rinsed and exposed to sunlight, the process being repeated until a satisfactory product is obtained; (2) by immersion in a solution of permanganate of potash and then in a sulphurous-acid bath. The essentials of good chamois leather consist of extreme softness, a fine nap on one side, and non-resistance, within limits, to being pulled into any desirable shape. In pharmacy it is principally used for chest protectors, rests, extemporaneous plasters and for cleaning purposes. When required for cleaning silver, a small quantity of finely powdered ferric oxide is generally incorporated in the leather.

Chamomile.—The common or Roman chamomile consists of the flowerheads of *Anthemis nobilis*, Linn. (N.O. Compositæ). In England the plant occurs wild more abundantly in the southern counties, and extends to Ireland, but in Scotland only in the islands of Cumbrae and Bute, influenced possibly by the warmth brought by the Gulf Stream. It is, however, commonly cultivated in gardens in Scotland. It was formerly cultivated at Mitcham to the extent of about 50 acres and was exclusively supplied from that locality to the Apothecaries' Hall in London from 1805 to 1851, being regarded as the form intended by the Royal College of Physicians to be used in medicine, as the single flowers were considered to yield more volatile oil than the double variety, but the single flowers are now with difficulty obtainable in commerce and chiefly from Scotland, where they are collected by cottagers from cultivated or naturalised plants. The handsome appearance of the

double flowers imported from France and Belgium (the chief producers) and the cheaper price asked for them has led to the displacement of the single flowers. In several localities the chamomile is still cultivated in England in the double form, or rather semi-double, for the English flowers have usually some of the central florets not changed into the ligulate form, and command about three times the price of the Continental flowers. The English flowers were found by Brande to yield an average of $2\frac{3}{4}$ lb. of oil and $3\frac{1}{4}$ lb. of extract per 100 lb. of flowers. The oil glands are usually more abundant on the tubular than on the ligulate florets. The plant is cultivated for the essential oil and the extract as well as the dried flowers, for the cultivation for dried flowers alone is not considered to be a paying proposition, since the harvest is frequently ruined by rainy weather when the plants are in flower, and in drying the flowers lose four-fifths of their weight. After drying, they have to be hand-picked to remove those of a brownish tint. The collection by hand is necessary, as all the flowers are not of equal size at the same time. Unless the expense can be lessened by utilising the remaining flower stalks of the plant with their attached flowers for distillation of the oil, or for extract, there is but little profit left for the grower. When the flowers alone are distilled, the oil is blue—due to the presence of a hydrocarbon, azulene, $C_{15}H_{16}$, which is readily oxidised and is affected by sunlight. It can be identified by forming a compound with picric acid ("Y.B. Pharm.," 1915, pp. 63, 64). Many samples of the oil are yellowish, possibly due to the loss of colour on keeping, but if freshly distilled samples of the oil are yellowish; the colour may be due to the flowering shoots of the plant left after hand-picking the flowers (on account of their brown tint or small size) being used as well for the distillation. According to Parry, the oil of chamomile is often adulterated ("Ess. Oils," 3rd ed., Vol. I, p. 76). In Belgium no cultivator dreams of cultivating a hectare (about $2\frac{1}{2}$ acres) of chamomiles because he would not be able to obtain the skilled labour required for their collection. The average size of a chamomile plot in that country is one-tenth of an acre. The Belgian prefers to destroy surplus plants rather than sell them to his neighbours, so as to prevent an excess of flowers reducing the price to a point at which profitable growing ceases. The harvest in Flanders begins as a rule during the second half of July, and shipments are made to London via Ghent-Antwerp, in bales of one cwt. In France the chief producers are the departments of the Marne, Loire, Anjou and the Nord, but the output is much less than that of Belgium, where it takes about five years to grow a sound, strong plant to produce a normal crop (C. & D., October 11, 1924, p. 549). The bitterness of chamomiles is attributed to the crystalline glucoside anthemic acid, which is easily hydrolysed with total loss of bitterness, prolonged boiling in water even being sufficient to cause the reaction. The volatile oil contains a hydrocarbon, anthemene, an alcohol, anthemol, and butyl and amyl alcohols, combined with angelic and tiglic acids. German chamomiles consist of the small flowers of the wild plant of *Matricaria Chamomilla*, Linn. These are easily distinguished by the hollow conical receptacle in the centre of the flowerheads and by the absence of the paleæ or scaly bracts between each floret, which are present in the flowerheads of *Anthemis nobilis*, which, moreover, have a solid conical receptacle. The German chamomile flowers also yield a blue oil, but the odour of the oil is different and rather more pleasant than that of *Anthemis nobilis*.

Chamomile Oil.—There are two oils known under this name, the Roman chamomile oil, distilled from the flowers of *Anthemis nobilis*, a plant indigenous to the South and West of Europe, and cultivated in Germany, Great Britain, France and Belgium; and the so-called German chamomile oil which is distilled from the flowers of *Matricaria chamomilla*.



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Retail Price	Trade Price per Dozen	Cartons Contain
1/-	14/- net	2 or 3 dozen
2/-	24/- net	1 or 2 dozen
4/-	43/- net	1 or 2 dozen
7/-	72/- net	½ or 1 dozen

2½% extra discount on orders for cartons to value of £5 net; 5% extra on £10 orders.

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Quantity Discounts and "Carriage Paid" terms as for Glaxo.

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An Anti-Rachitic Extract of Cod-liver Oil, devoid of the characteristic taste and odour of the oil, from which it is obtained in a concentration of over 2,000 times that of the original source. Three drops of the glycerin suspension are equal in antirachitic potency to 1 fluid drachm of Cod-liver Oil. 45 doses in glass-stoppered phial, 2/6. Trade Price 22/6 net per dozen phials.

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Prepared in accordance with the prescription of an eminent children's specialist and tested in hospital use with successful results.

When reconstituted with hot, boiled water, one part yields eight parts of a liquid product identical in composition with average human breast milk.

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Retail Price	Trade Price per Dozen	Cartons Contain
1/- 2/-	12/- net 22/- net	2 dozen 1 dozen

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Glaxo Teats (7 varieties)	4½d. each	3/4d. per dozen net
Nursling Teat	9d. each	6/9 per dozen net
Glaxo Valves	3½d. each	2/7d. per dozen net
Aluminium Food Measure	6d. each	4/6 per dozen net
Feeder Mop	4d. each	3/- per dozen net
Maternity Belt (2 sizes)	9/- each	7/6 each net

Glaxo Teats are supplied in the following seven varieties:—Ordinary (1 medium hole), Fine hole, 1, 3, or 5 leech-bite, Blind, and Premature. The Nursling Teat is extra large and globular in shape.

Maternity Belts are adjustable. They measure 9 in. (or outsize, 10 in. deep) in front, and the depth required should be specified when ordering. These belts cannot be sent on approval.

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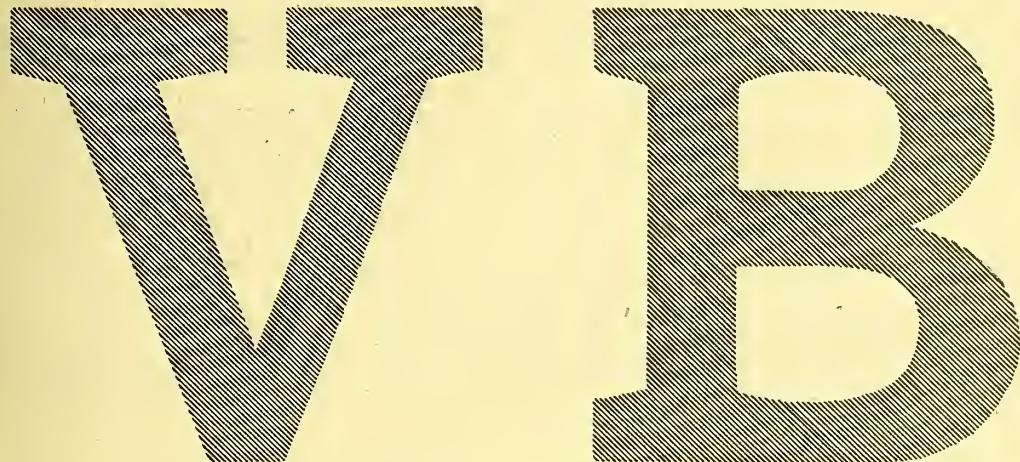
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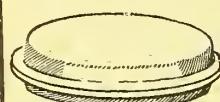
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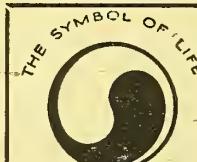
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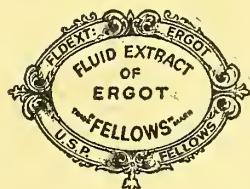
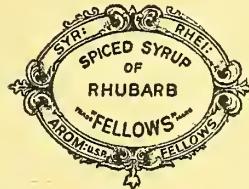
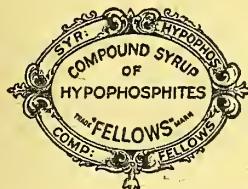
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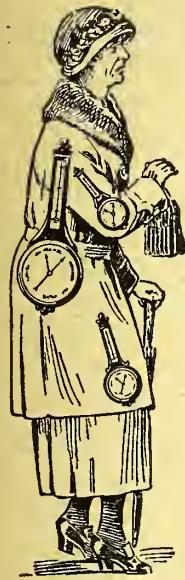
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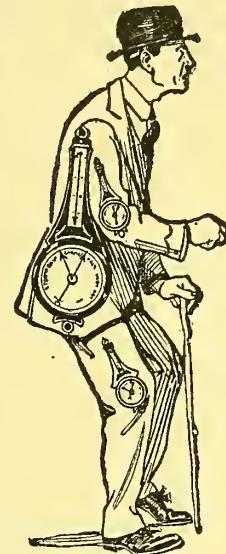
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gelatin when the capsule is cut in half.

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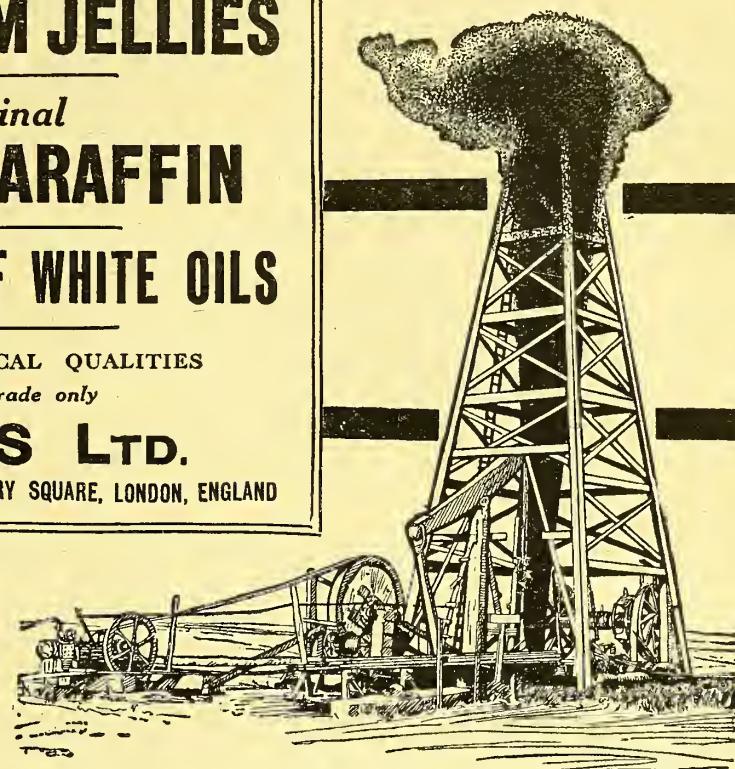
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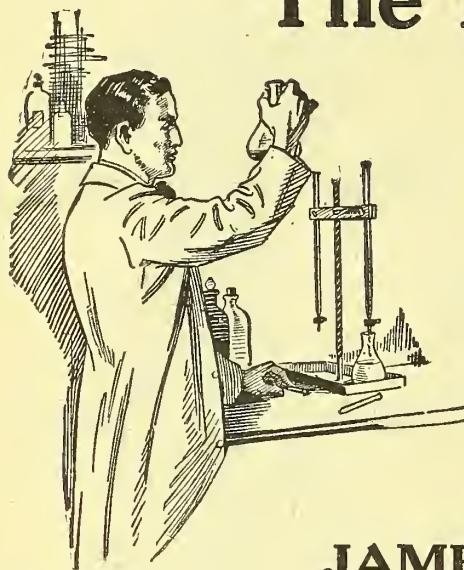
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New Window Display Conditions.

Monthly Account.

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This shows a net profit on the transaction to the Chemist of 35%, besides attracting the passer-by to the window and considerably augmenting sales generally.

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The above conditions apply only to the United Kingdom.

EXAMPLE.

		COST	SELLS FOR
3½ dozen 1/3 size at 12/- net	...	£2 2 0	£2 12 6
2 " 3/- " at 30/- "	...	3 0 0	3 12 0
		5 2 0	
Less 10/6 for Window Show	...	10 6	£6 4 6
		£4 11 6	

Showing a Net Profit of £1 13 0 on an outlay of £4 11 6.

Window Display Material Free and Carriage Paid.

WHOLESALE PRICES OF PHOSFERINE.

Carriage Paid.

1/3 size	...	12/- per doz. net.
3/- "	...	30/- " "
5/- "	...	48/6 " "
12/- "	...	114/- " "

Monthly Account.

PROTECTED PRICES.

Phosferine and all of our Proprietary Medicines are supplied on the condition that they are not retailed in the United Kingdom under the following prices—viz., 1/3, 3/-, 5/-, and 12/-.

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.4.

Telephone No.: CITY 8733. Telegraphic Address: "PHOSFERINE, CENT, LONDON."

IMPORTANT.—Every care is used in corking and packing Phosferine, but occasionally a leaky bottle will pass undetected. Any leaky or faulty bottle should be returned to Ashton & Parsons, Ltd., Ludgate Hill, London, E.C.4, when a fresh supply will be sent and postage refunded.



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Made from finest sublimed Sulphur and
flavoured with Californian Orange Juice.

14 lbs., 1/- per lb. 56 lbs., 11d. per lb.
 28 „ 1/- „ 112 „ 10d. „

Cartons, Showcards, Jar Labels and Screens supplied free in proportion to quantity ordered.

Lime Juice and Sulphur Tablets

The popular 4½d. line.

Boxes of thirty **3/6** per dozen.

Brimstone and Treacle Tablets

(Wrapped.) Very popular in poorer neighbourhoods

7 lbs., 1/6	28 lbs., 1/4
14 „ 1/5	56 „ 1/3

Show jars (returnable) and attractive labels with every order. These will sell on display—no strenuous persuasion is called for.

Raspberry and Sulphur Tablets

For those who dislike the Orange flavour.

2 oz. Tins 4/- per dozen.

Sulphur, Sarsaparilla & Lime Juice Tablets

Specially adapted for the high-class pharmacy. Yellow sugar-coated tablets in bottles of 100 and cartoned.

R Sulphur Precip. - gr. 2½
Ext. Sarsae - - gr. ¼

Ac. Pot. Tart. - gr. $\frac{1}{2}$
Ol. Limes - q.s.

Per **11/6** dozen

Retail 1/9

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Manufacturing Chemists
BRIGHTON ENGLAND

ESTABLISHED 1822

THE CHEMIST AND DRUGGIST SUPPLEMENT

CANNON ST.
LONDON E.C.4

MAY 9, 1925.

This Supplement is inserted in every copy of The Chemist & Druggist.

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10.—HAMPSHIRE (Coast).—Established Business, situate in marketing centre; returns, last year, about £3,000, increasing; large double-fronted shop well fitted and stocked; freehold may be purchased if desired; price to be arranged.

11.—BRIGHTON.—Recently established Business; returns, present rate, £12 10s. weekly, with scope for considerable extension; modern, well-fitted shop, with residence and small garden; once, to include freehold, £1,500.

12.—YORKSHIRE.—General Retail Business, with large amount of N.H.I. Dispensing; returns approach £2,000; well-fitted shop; good working stock; very low rent; further details on application.

13.—ESSEX.—General Retail Business; bold corner position in main road; returns, £35 weekly, with scope for considerable extension; 21 years' lease; price £1,500, half of which can remain on mortgage.

14.—HOME COUNTY.—General Retail and Photographic Business, with Rexall Agency; returns, present rate, under management, between £2,500 and £3,000, at good prices; well-fitted double-fronted shop, with National Cash Register; good working stock; lock-up Pharmacy, with store rooms; long lease; moderate rental; £1,500 would be accepted for immediate sale.

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6.—**S. DEVON.**—Good-class ready-money Business in important town; returns, £30 p.w.; Kodak, N.H.I., etc.; double-fronted shop, with 8-roomed house; price, including freehold property, £2,600. (134)

7.—**SOUTH DEVON.**—Very old-established Business in residential district of busy town; returns, £34 p.w.; rent, £90; lease to be arranged; double-fronted, well-fitted shop and house with 7 rooms; side entrance, store, etc.; price £1,450. (154)

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9.—**LONDON (Western Suburb).**—High-class Retail and dispensing, with Kodak Agency; present returns average £1,000; plenty of scope; growing residential locality; handsome modern Pharmacy, well stocked; price £1,600; £600 can remain.

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RIXTON (main road).—Lock-up Shop; rent £55, rising to £65; 17 years' lease; established two years; run entirely by Manager; takings over £1,600; profit about £300 before manager; price £1,250, including cash register; excluding cash register £1,150. Replies 73/13, Office of this Paper.

CHESHIRE.—Chemist and Photographic Business, seaside and residential neighbourhood, close to promenade; main shopping thoroughfare; Kodak Agency; living accommodation if desired; lease granted; exceptional opportunity for man with limited capital, as part payment would be accepted and balance by arrangement. 68/40, Office of this Paper.

HESHIRE (small manufacturing town).—Old-established Retail; returns £1,400; N.H.I. 450 monthly; Kodak Agency; good opening for Optics; Veterinary connection and Prescribing; well stocked; rent £30; rates low; splendid house, bath; genuine buyers only apply. Write "Bona-fide," 31, Office of this Paper.

EVON.—Good-class Retail and Dispensing Business for Sale; double-fronted shop; well stocked; Kodak Agency; full particulars to bona-fide inquirer; no agents. 72/29, Office of this Paper.

ENYA COLONY.—Old-established English Pharmacy for disposal, with or without branch; turnover, £1,200 per month; in addition, branch returns £400 to £450 per month, increasing; dry climate, very best position; price, about £10,000; valuation terms arranged or partnership entertained. Apply, Berdoe Fish, Chemists' Valuers, 41 Argyle Square, King's Cross, C.1.

ONDON (few miles out).—Exceptional offer; profitable light Cash Retail, with excellent sale of own preparations, in working-class district; returns exceed £3,500; net profit, over £1,000; books audited; low rent; valuable lease; stock worth £1,000; price for goodwill, lease, and fixtures, £1,500; stock at valuation; only cash buyers entertained. "Ultra," 56/759, Office of this Paper.

LONDON (busy thoroughfare).—Established Herbal Pharmacy; 10 years' lease; living accommodation. P.C.B. 76/8, Office of this Paper.

LONDON (central position).—Retail Chemist's Business for immediate sale; long lease; average trade £30 per week; under indifferent management; good scope for N.H.I. and Photo; price £600; s.a.v. Edwards and Flanders, 329 High Holborn, London, W.C.1.

LONDON, N.—Easily worked, profitable Business on 'bus route in densely populated district; average returns £16; rent 28s. clear; well equipped; good shop and windows; electric light; plenty of scope for Prescribing; N.H.I. recently started (February, 323 prescriptions); convenient house and good yard; price £350. "Sigma," 73/26, Office of this Paper.

LONDON, S.E. (Central Position).—Handsomely-fitted Chemist's Business; average returns, £30 weekly, under management; proprietor should do £60 weekly quickly; valuable lease, 18 years to run; shop, office and basement; price, £600, and stock at valuation; scope here all branches; good suburban house can be acquired for further £750; mortgage arranged. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester.

LONDON, S.W. (Belgravia).—High-class Dispensing and Retail; yearly sales exceed £3,000; good scope for increase; house attached; further details to bona-fide inquirers. 74/23, Office of this Paper.

MANCHESTER (Near).—Neglected Drug Store, returning £10 weekly, practically all prescribing; good position, thickly populated working and middle-class district; splendid opportunity for qualified or unqualified; scope all branches; good living accommodation; accept £225 quickly. Also established Chemist's Business, Oldham, returning £25 weekly (N.H.I. Dispensing fees £4 5s. weekly); good house; price, £850, about. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester.

MIDLANDS.—Compact Business; small house attached; electric light throughout; main road position; unopposed; now in third year; returns, without Dispensing or Photo., at present rate approximately £1,600; Prescribers total 1,900, without repeats, at good prices; several valuable Preparations; enforced sale through owner's failing sight; splendid opportunity for Pharmacist with good personality who is smart Prescriber; rent and rates 25s.; lease; vacant possession before Whitsun; price £575; stock at valuation. 72/28, Office of this Paper.

NORFOLK.—Unopposed old-established Chemist's Business; corner shop; good house and outbuildings, with large garden; long lease at low rental; has been neglected, and capable of considerable increase; scope for Photographic; £375 or near offer. 68/3, Office of this Paper.

NORTH WALES.—Unopposed Business; lock-up shop and warehouse; main road, opposite P.O.; growing district, near the sea; returns, £500; recently opened; suit beginner, lady or elderly; good opening for N.H.I.; season now commencing; price moderate. Stamped-addressed envelope, Slinn, 51 Butterton Road, Rbyl.

NORTH MIDLANDS.—Old-established Business with Rexall and Kodak Agencies, also Wine Licence, small town in thickly populated area; good house attached; very convenient premises; lease, or would sell property; price on valuation terms, with goodwill about £1,650. 74/4, Office of this Paper.

SOUTH COAST (inland, near popular seaside resorts).—Good-class Business; select residential neighbourhood; Kodak agency; increasing returns; no opposition; great scope; lock up; low inclusive rent. Stamped, addressed envelope further particulars. 73/24, Office of this Paper.

SOUTH WALES.—Old-established Chemist's Business in healthy seaside town (death sale); Wine and Spirit Licence, Optics, Kodak Agency; splendid stock; prominent corner premises in main street; freehold property can be bought or leased; stock and fixtures £1,000, or near offer; knowledge of Welsh essential. 74/12, Office of this Paper.

SURREY (charming part).—Retail, Dispensing, Photo. and Optical Business; returns £2,700, under management; Optical profits, 1924, £200; low rent; long lease; heavily stocked; scope for great increase; price £2,450. 74/15, Office of this Paper.

WESTERN COUNTY.—Old-established Business; main road; lock-up shop; low rent; mahogany fixtures; owing to proprietor having other interests, this business has been badly neglected for some time; plenty of Prescribing, not much Dispensing; Kodak Agency; returns about £1,200; used to be £2,500; price about £1,000. 72/24, Office of this Paper.

DRUG STORES for Sale (two), £175 and one at £75; both lock-up shops; must be sold this week. The Pharmacy, 843 Old Kent Road, London, S.E.

FOR SALE, small profitable Wholesale Drug and Sundry Business, almost wholly local; easily conducted conjunction with Retail; 600 customers on books; £500; owner in delicate health. 64/108, Office of this Paper.

FOR SALE, old-established Wholesale Druggists' and Sundries' Business; big connection amongst grocers and general dealers; cash trade; area covered, South Wales and Liverpool; neglected but unlimited possibilities for man with capital; fullest investigation; no reasonable offer refused. 75/17, Office of this Paper.

FOR DISPOSAL (through death), Chemist's Business and Property, situate in a rapidly growing residential district of N.E. Lancashire town; beautifully fitted and well stocked, only recently opened and now returning, under lady management, £15 weekly; proprietor easily do £50; good house attached (new); only wants seeing; a bargain at £1,600, everything. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester.

HERBALIST Business for Sale; shop, 4 rooms; immediate possession; rent 25s. week clear; 3 years' agreement and option of renewal; stock, fixtures, all at £250, or near offer; good living; good part for business; reason for disposal, ill-health, going abroad. "Herbalist," 166 Hither Green Lane, Lewisham, London, S.E.15.

OLD-ESTABLISHED Family Business in busy main thoroughfare; net profits (chartered accountant's figures), over £800 per annum; excellent living accommodation; any lease arranged. 74/14, Office of this Paper.

OPPORTUNITY to start on your own; pay for your business out of profits; the large sum of net profit in a good Retail Business enables a well-trained business man, who may not have the whole capital required at his command, to repay, without difficulty, the instalments of the balance as they become due. A Business in Home County, near London, with returns over £50 per week, all cash; N.H.I., Kodak, etc.; plenty of scope; long lease; double-fronted shop; price £1,700. "Energy," 74/22, Office of this Paper.

BUSINESSES WANTED.

WANTED, Drug and Photographic Stores or nucleus of same in small country town, Kent, Surrey or Sussex; decent living accommodation and garden if possible; cash £500-£600. Apply 72/17, Office of this Paper.

WANTED, good-class Retail Chemist Business at one of the larger South Coast resorts, preferably in Southsea or Eastbourne, gross receipts £3,000 or £4,000 per annum. 65/33, Office of this Paper.

PREMISES TO LET.

SHOP to Let (with or without Flat over) at reasonable rent; near Harrow; good opening for Chemist. Write Rnddnck & Co., 262 Old Street, London, E.C.2.

To Let, Shop and House attached, with vacant possession; fixtures at valuation; would consider offers for fixtures only. A. McLaughlin & Co., 1 to 3, Harrington Street, Liverpool.

AGENCIES.

SOUTH AFRICA AND RHODESIA.

MANUFACTURERS anxious to obtain energetic and intelligent Representation in the Union of South Africa and Rhodesia should communicate with us. We can place an excellent selling organisation at their disposal, and our experience in handling Proprietary Lines enables us to guarantee satisfactory results.

One of our Representatives is at present in London on a short visit, and all communications addressed to him c/o Messrs. Scholefield, Goodman & Sons, Ltd., 23 Lime Street, E.C.3, will receive his early attention.

ASSOCIATED PROPRIETARY AGENCIES, Lrn., P.O. Box 4247, Johannesburg, S.A.

HAMBURG.—Wholesale Chemical Merchants and Druggists, more than 20 years' experience, first-class connections and references, desire to get in touch with first-class English houses to act as their Buying and/or Selling Representatives. Apply to 52/30, Office of this Paper.

CHEMICAL Manufacturers introducing a Pure Medicinal Product under registered name to be well advertised, require Chemists' Wholesale Distributing Agents in U.K. and Ireland for different localities covered by applicant's sphere of influence. Applicants from first-class houses only will be considered. Write Box 434, Samson Clark & Co., Ltd., 57 Mortimer Street, London, W.1.

MANUFACTURERS' OPPORTUNITY.—Experienced Traveller, with sound connection among Chemists in Kent, Surrey, Sussex and Hants, requires an additional line; only firms of good repute entertained; references exchanged. B.C.P. 76/4, Office of this Paper.

TRAVELLERS, covering South, East, Midlands and London, wanted to carry small, good selling side-line on good commission. Write, stating ground covered, to Packham & Co., 25 Week Street, Maidstone.

FOR SALE.

OVERSTOCKED.—7 dozen 2s. 9d. Yadil, 16s. 6d. dozen; 18 dozen 1s. Yadil Pastilles, 4s. 5d. dozen; carriage paid on £1 orders. William Ellis, The Pharmacy, Ilford.

SHOWCASES.—One 4 ft. 10 in. x 19 in. x 7 in.; one 4 ft. 10 in. x 15 $\frac{1}{2}$ in. x 7 in.; one 3 ft. 19 in. x 7 in.; splendid (as new), airtight, mahogany, plate glass, adjustable shelves; £20 all, or separately. Also two Outside Illuminated Eye Signs. Scurr, Barnet.

STOAKES' "Eureka." Tablet Machine for Sale; perfect order. Taylor, 33 North Park Grove, Roundhay, Leeds.

SHOP TO LET.

NO PREMIUM.—Handsome Shop to Let; oak and plate-glass front; finest business spot in Southend; rent £400 to £800. "W. T. W.", 2 Warrior Square, Southend-on-Sea.

SITUATIONS OPEN.

RETAIL.

[HOME.]

A SHBOURNE, DERBYSHIRE.—Unqualified Assistant, not afraid of work, for brisk Mixed Country Retail, with knowledge of Photography; lady and Improver kept; good references essential. State salary required, give references, and fullest particulars to Plant, Chemist.

BIRMINGHAM DISTRICT.—Improver or Junior required; male; outdoor. Please state full particulars, references, age, height, salary required, and photo, which will be returned, to 72/20, Office of this Paper.

BOURNEMOUTH.—Qualified male Assistant for first-class Dispensing. Apply, stating age, experience, salary (outdoors), and references. Blacklock & Co., The Square, Bournemouth.

CAMBRIDGESHIRE.—Qualified Superintendent wanted at once as Cover in an old-established country business; single; indoors; not over 45; one desiring a permanency; comfortable home; good references essential. Apply, with photo, stating age, experience, and salary required, and when at liberty, to F. W. Fitch & Co., Ltd., Littleport.

CARDIFF.—Lady Assistant wanted in Photographic Department; practical experience in D. and P., also Counter work. Apply Duck & Son, St. John's Square.

HULL.—Kirton & Son require at once Junior (male), about 22, of smart appearance and address, accustomed to high-class business; easy hours; no Sunday duty. Apply, full particulars to above.

LANCASHIRE.—Qualified Manager required for Light Retail and Dispensing business in a busy industrial town; permanency with interest in the profits to a satisfactory applicant. 72/19, Office of this Paper.

ERPOOL.—Qualified Chemist as Manager; good references necessary. Apply W. H. Clubb, Ltd., 138 Smithdown Road, Wavertree, Liverpool.

ERPOOL.—Active, steady, reliable, unqualified man wanted, age 35 to 50, for Retail Drug Stores; able to charge; not afraid of work; working-class district. State height, experience, salary, also recent photo. 72/35, Office of this Paper.

NDON TEMPERANCE HOSPITAL, Hampstead Road, N.W.1.—Wanted, immediately, a smart intelligent youth in Hospital Dispensary; previous experience essential; opening for one wishing to qualify. Apply, with references, to the Secretary of the above Hospital.

NDON.—Qualified or unqualified Manager required for small business in residential suburb; good experience of Retail Photography essential; must take personal interest; easy without Sunday duty; succession considered if desired; lady required. Experience, salary, etc., to "B. S." 75/2, Office of Paper.

NDON.—Wanted, immediately, unqualified Assistant (age 30 to 35) for middle-class Retail; smart Counterman; good character essential, with knowledge of Photography. Reply at instance, giving full particulars of experience and salary required, to 75/1, Office of this Paper.

NDON, N.—Junior Assistant, unqualified, required for Light Retail and Dispensing. Apply, stating age, experience and salary required (outdoors), to C. S. Addison, 48 Chase Southgate, N.14.

NDON, S.E.—An energetic and up-to-date Photographic Salesman wanted; must have a thorough knowledge of Photography. Apply Brooks', 509 New Cross Road, 4.

NDON, S.E.—Qualified Assistant wanted, lady or gentleman (outdoors), for quick Cash Retail; no Sunday duty; close shop Thursdays. State age, salary required, and full experience. Brooks', 509 New Cross Road, S.E.14.

NDON, S.E. (near Elephant and Castle).—Wanted, at once, unqualified Assistant, age 25-35 (male), for N.H.I. and Counter business; usual hours, Thursday half-day. Apply, giving full particulars and salary required, Anstins, Ltd., 71 Old Road, S.E.1.

NDON, S.W.—Junior Assistant, male, about 20, for quick cash business; near college; time for study could be arranged if desired. State age, height, particulars of experience, salary required, and photo, if convenient. 73/18, Office of Paper.

NDON SUBURB.—Gentlemanly unqualified Assistant wanted for good-class retail and dispensing business, with Photography; must have had good experience and possess unbreakable reference; preferably tall. Full particulars, age, etc., and when disengaged, to "Energetic," 75/4, Office of Paper.

NDON, W.—Qualified man required, about 38, with West-End experience; abstainer. Apply, with full particulars, experience, salary required, etc., to 73/2, Office of this Paper.

NDON, W.—Required now or shortly, a very smart up-to-date Assistant, not over 40 years of age nor under 5 ft. exceptionally good appearance and address are needed; a first-class Counterman is essential; the berth is an absoluteancy, and no one need apply unless competent to take reins; abstainer preferred. Full particulars and photo to V. Wright, 25 Broadway, Hammersmith. Interview by intment only.

EDENHEAD.—Capable Assistant (male), unqualified, 25 to 30, wanted about middle of May; must have had good dispensing experience. Please give full particulars and references and state salary required. H. & W. Northey, 4 Castle Mardenhead.

ANCHESTER.—Junior required. Write, giving full particulars, to 54, Wellington Street, Bradford, Manchester.

ANCHESTER.—Assistant (male) for Light Retail and Dispensing, knowledge of Photographic Requisites; good temper manner; qualification not essential so long as well and dependable; one hoping for permanency preferred. By letter, enclosing recent photograph, which will be returned. R. Beck, Chemist, 394 Liverpool Road, Peel Green, chester.

ANCHESTER.—Assistant, qualified, wanted (outdoors), working-class district; permanency. Give full particulars first letter. W. Pilling, Ltd., 192 Hyde Road, Ardwick, chester.

EFFIELD.—Unqualified male Jnnior wanted about June 2; one accustomed to good-class Dispensing and Retail business; all particulars, with salary required and references. 75/16, Office of this Paper.

EGNESS.—Until middle of September, unqualified Assistant; experienced; Photography; good recent references essential; a week; photo if possible. Hall, Chemist.

MERSET.—Wanted, at once, qualified Assistant for light Counter work; whole or part-time berth; suit elderly or retired gentleman; permanency. "Raxo," 73/32, Office of Paper.

UTHPORT.—Wanted, at once, qualified Junior Assistant, age about 24; full particulars first letter. Kendrew & Orr, 58 Ash Street, Southport.

EST OF ENGLAND.—Wanted, Junior qualified Assistant for good-class business. Apply, giving full particulars of experience, salary required, height, etc., and photo (if possible), 6, Office of this Paper.

A CAPABLE Manager required; qualified; live in; West London suburb; good Window-dresser, and used to brisk N.H.I. and Counter trade. Fullest particulars to 64/101, Office of this Paper.

A SSISTANT, unqualified, required for Putney district; capable Dispenser; must have had good Counter experience and well up in Photography and Window-dressing. Apply, with full particulars and photograph, if possible, to 64/109, Office of this Paper.

C APABLE, energetic, single, qualified Assistant at once; able to manage; knowledge of Photography; good Dispenser. State age, experience, salary required, etc. G. A. Pickering & Son, Chemists, Royston, near Barnsley.

C APABLE and energetic male Assistant required, not over 30, for Counter and N.H.I. Dispensing; reliable and quick worker; Midlands district, near Birmingham. Full particulars of experience, references, and salary required to 73/40, Office of this Paper.

D ISPENSER, qualified, wanted at Knowle Mental Hospital, Fareham, age not exceeding 30; salary £180 a year, with dinner and tea daily. Application, with copies of three recent testimonials, to be sent to the Medical Superintendent by May 20.

D ISPENSING Chemist (male) required at Banstead Mental Hospital, Sutton, Surrey; must have qualification of the Royal Pharmaceutical Society and be a practical Photographer; age not to exceed 40; salary £150, rising to £220 a year, with temporary additions (at present) to meet cost of living; present commencing total rate £244 a year; pensionable; preference given to those who have served or attempted to serve with H.M. Forces. Full particulars on form obtainable from Chief Officer, Mental Hospitals Department, L.C.C. County Hall, Westminster Bridge, S.E.1. Mark inquiries "Banstead—Dispenser," and send stamped, addressed foolscap envelope. Applications by May 15, 1925. Canvassing disqualifies.

G ENTLEMAN required as Manager for old-established Pharmacy in large provincial city; normal turnover £80-£100 weekly; highest references required; salary £250 and commission. The proprietors' object is, secondarily, a gradual partnership development, or easy purchase prospect if convenient to Manager, to allow of proprietors' retirement. Letters only, in first instance, to P.C.B. 75/6, Office of this Paper.

J UNIOR or Improver wanted, chiefly for Stock and Counter; one just completed apprenticeship and seeking further experience. Apply, stating age, height, and salary required, with reference, to Fred. R. Smallman, 228 Sonn Road, Birmingham.

J UNIOR Assistant; Counter experience; Photography. Apply, stating age, height, salary required, C. A. Maries, Pharmacist, Waterloo, Liverpool.

J UNIOR Assistant wanted, male, for a good-class Dispensing business. Apply by letter, with full particulars and salary required (outdoor), to A. B. Higgs, Pharmacist-Optician, Horley, Surrey.

J UNIOR, unqualified, principally for Book-keeping and putting up branch orders, stock, etc., but able to relieve for meals, evenings and Sundays, also keep windows dressed; good salary to suitable applicant; S.W. London. 73/16, Office of this Paper.

L ADY Assistant; Minor; experience not essential if willing worker and adaptable; Dispensing, Stock, etc.; light trade; moderate hours; pleasant district seaside. Write full particulars, salary required, etc., to "Ltd." 75/15, Office of this Paper.

L OCUM for July; elderly qualified gentleman for Cover only. Send particulars, with salary required (outdoor). Booth, Chemist, Glastonbury, Somerset.

L OCUM, male, unqualified, May 25 to October 3. Apply, with full particulars, 72/36, Office of this Paper.

M ANAGER.—At earliest. Chemist and qualified Optician for branch in Surrey; Retail, Photo, and Optical business; must be good Salesman and Window-dresser, and capable of business development; salary £5 per week and one-fifth of net profits; please state when available. Hall, Chemist, Crouch End, London, N.8.

M ESSRS. BROOM, REID & HARRIS, Exeter, require, for May 20, Qualified Assistant, gentleman, about 25, as Dispenser. Apply, with full particulars of experience, salary required, and photo, to Mr. Reid, 2 Queen Street.

P ART-TIME Assistant wanted; must have good references; might suit an elderly retired man; permanency if suited. Apply "Chemist," 218 Kentish Town Road, N.W.

P ART-TIME Assistant, lady or gentleman. Peel, 7 Half Moon Lane, Herne Hill, S.E.24.

P HARMACISTS wanted as Managers of new branches; permanencies and good prospects. Timothy White Co., Ltd., Portsmouth.

Q UALIFIED Assistant, with experience of quick Store methods, as First Counter Salesman; 48-hour week. State full particulars and salary required (letters only) to Mr. Hirst, F.C.S., Bolton Co-operative Society, Ltd., 39 and 41 Market Street, Bolton, Lancs.

Q UALIFIED lady or gent. wanted for quiet village business near Southend; hours and duties light; slight knowledge of Photography essential; no D. and P. work; suit one desiring restful surroundings. State salary and all other particulars, photo if possible. Rugg, Pharmacy, Pitsea.

QUALIFIED Assistant required; good Mixed Family trade; comfortable berth to one willing. State age, height, etc., and salary required first letter. Thos. L. Curtis, 38 Station Street, Swinton, Rotherham, Yorks.

QUALIFIED Junior (outdoors); conscientious and keen. Full particulars of experience, salary required and photo to "Near London," 74/40, Office of this Paper.

QUALIFIED; lady for preference; permanent; comfortable room and conditions. Young, 116 Seymour Street, Euston, N.W.1.

QUALIFIED Assistant, 25 to 30; good all-round experience; 9 hours 8 to 8; alternate Sunday duty; permanency for suitable man. Tate, Francis & Co., Ltd., 37 Roman Road, E.3.

REQUIRED, as Working Manager, qualified Assistant with knowledge of Photo, D.P.; Rexall an advantage; permanent and progressive post to right man; only those with undeniable references need apply. "Yorkshire," 71/7, Office of this Paper.

REQUIRED, lady Dispenser and Book-keeper-Typist, experienced, quick and reliable, for Cornwall. 71/3, Office of this Paper.

REQUIRED, from Saturday, August 15-29, inclusive, capable qualified Locum, used to good-class business and well acquainted with Kodak goods. Also, for fortnight commencing June 22, unqualified Junior; must be good Dispenser. Both outdoor. Full particulars in first letter. Walker, Chemist, Nantwich.

SMART qualified Manager wanted; good Salesman and Prescriber; state wage. Jubb & Co., 71 Queen Street, Hull.

TEMPORARY Junior, unqualified, June to August inclusive; Dispensing, Photo.; no heavy trade. Full particulars in first letter. Bell, Mansfield.

THOROUGHLY capable unqualified Assistant required for good-class Family and Dispensing business; age 30 to 40; good prospects to right man. 74/27, Office of this Paper.

WANTED, at once, young qualified Branch Manager for Lancashire industrial town. State references, age, height and salary required in first letter. Letters not answered in four days respectfully declined. "X.Y.Z.," 63/100, Office of this Paper.

WANTED, London, qualified Assistant, good Salesman and accurate Dispenser, for working-class district. Apply 64/104, Office of this Paper.

WANTED, qualified lady Chemist to manage branch shop. Address Secretary, Masbro' Equitable Pioneers' Society, Station Road, Masbro', Rotherham, endorsed "Pharmacy," giving particulars of experience, age, wage required.

WANTED, at once, young ladies for Office work in London; must have had good general Retail experience and be quick at figures. Reply, giving full particulars as to age and experience, to 73/15, Office of this Paper.

WANTED, Dispenser (lady) by a Doctor, private general practice, North London; no Sunday work. Particulars of age, experience, capabilities, and if possible photograph (to be returned) to 73/11, Office of this Paper.

WANTED Assistant, qualified, accustomed to good-class Light Retail and Dispensing business. Apply, with all usual particulars, to J. H. Scott, Ltd., Chemists, Ilfracombe.

WANTED, a qualified Assistant; single; age 25-30; one with some all-round experience in Retail and Photography. Please give full particulars, photo, if possible, same will be promptly returned. T. L. Nicholls, Pharmacist, Chelmsford.

WANTED, an unqualified Assistant; must have had a good and varied experience in Dispensing and Counter work, with some Photography; single; age not under 27 or 28; outdoor. Kindly give all particulars, with addresses of references. 75/10, Office of this Paper.

YOUNG unqualified Assistant required early in June; must be reliable Dispenser and good at Counter. Fullest particulars in first letter as to salary, etc. 72/23, Office of this Paper.

YOUNG, qualified man required as Improver; exceptional experience offered to right man. Photo and full particulars to Cosh, 10 Broadmead, Bristol.

WHOLESALE.

REPRESENTATIVES required by Firm of Manufacturing Chemists (not Wholesale Drug House) making wide range of standard Pharmaceutical Products in general demand; salary, expenses and commission to men of right stamp and connection. To save unnecessary correspondence, applicants should give, in the strictest confidence, full particulars, in first letter, Houses which they have previously represented, lines which they have handled, reasons for leaving, whether or not disengaged. Territories vacant: (1) London, (2) Birmingham and District, (3) West of England, and (4) South Coast. Apply 64/110, Office of this Paper.

LONDON AND COUNTRY.—Representatives, having good connections with Chemists, wanted for sale of high quality products; full time or commission. 64/100, Office of this Paper.

REQUIRED, at once, Junior Clerk (female) in the office of a Wholesale firm in London. State experience and wages required. 74/8, Office of this Paper.

ASSISTANT to work under Senior Chemist wanted by Large Wholesale Firm Manufacturing Chemists and Distill knowledge Materia Medica and Essential Oils necessary; to be young and adaptable; Minor qualification desirable. 64/Office of this Paper.

WANTED, smart Representatives calling on Hairdressers County Chemical Co., Perfumery Dept., Chemico Works, Birmingham.

[COLONIAL, INDIAN AND FOREIGN.]

INDIA.—Qualified Assistant, with experience of good Retail business, wanted for India; unmarried; salary Rs. monthly, increasing; board and lodging free; passage paid and home; 3 years' agreement. Apply "E. H.," 65/981, Office of this Paper.

INDIA.—Representative, single, abstainer, wanted by firm Manufacturing Chemists to travel in India and the I sound Pharmaceutical training essential; qualification preferred; applications from candidates with previous experience of East of special interest, but this is not essential; interviews to be arranged to meet candidate's convenience. Apply, with particulars of age, previous experience, salary required, enclosing photograph if possible (to be returned), to 64/Office of this Paper.

SITUATIONS WANTED.

RETAIL.

[HOME.]

ADVERTISER, qualified except Mat. Med., 9 years' all experience, requires situation. Reding, Wainfleet, Lancashire.

ACHEMIST-Optician; married; 26 years' experience; proprietor; keen sales; good personality; active; entire control; London suburb or South; resident preferred; free at month; interview desirable. 73/23, Office of this Paper.

AQUALIFIED Manager; 31; tall; abstainer; Widower; Salesman, Dispenser, Photography; house a passage; 60 London, or Eastern Counties. 73/28, Office of Paper.

AS Dispenser, in London district; part time or whole qualified. 71/6, Office of this Paper.

AS Locum; Dispensing, Counter, Stock-taking; unqualified. "Chemicus," 23 High Street, Olney, Bedford.

ASSISTANT or Manager, qualified, seeks berth, London district; 35; long experience; good references. "Chemicus," 24 Mead Plat, Willesden.

ASSISTANT, 26, single, desires a post, having had experience in Dispensing, wanting Counter experience; moderate salary; North Wales preferable. "Statim," Ltd., T.H., Abergele, N.W.

AVAILABLE a week hence, able, widely experienced (qualified); well-educated Scotsman; beyond middle but, as described in 1924 reference from ex-examiner, "re-active, courteous"; just completed salaried engagement weekly, and now doing short locum at higher wage remuneration is somewhat secondary. Replies, stating etc., to "Chemist," 33 Brudenell Road, S.W.17.

BIRKENHEAD, Liverpool, District.—Chemist, with experience in City Firm, desires change; interview arranged. "C. J. W.," 75/12, Office of this Paper.

BOURNEMOUTH.—Young, lady (doctor's sister) Apprenticeship; 7 months' shop experience; perfect knowledge of German; salary required. P.C.B. 75/9, Office of this

DISENGAGED.—Temporary, permanency; thorough experience; live Salesman; energetic; good address; mended. "Chemicus," 101 Carter Street, Manchester.

DISENGAGED.—Permanency or Locum; unqualified; all experience; obliging; trustworthy; abstainer; good references. "H.," 61 Castle Street, Kendal.

DISPENSER; Hall qualification; experienced; book-keeping or permanency; Doctor or Institution. Miss 131 Welholme Road, Grimsby.

EFFICIENT lady Assistant, pre-war apprenticeship, responsible post with private chemist; London or preferred; permanency or Locum; unqualified; moderate all-round experience, including West-End; competent Dispenser; excellent references; 7 years present position. "B.," c/o (Chemist), Church Street, Kensington, W.

GRIMSBY.—Assistant (25), unqualified, requires situation. "Chemicus," 23 High Street, Olney, Bedford.

IMPROVER seeks post in the Manchester district; good references; experienced in Photography. H. H. Watts, 33 Street, Stretford, Manchester.

JUNIOR requires change, Bristol or district; good references. "Stigma," "Ferndale," Thornleigh Road, Bishopton, Bristol.

JUNIOR, good Dispensing and Photographic experience; situation near Manchester or Rochdale. 73/36, Office of this Paper.

LADY Assistant (Hall) desires post with Pharmacist; Licensed Hospital, Doctors and Retail (English and continental); fluent French; free May 12. Wilkinson, 115 Road, N.8.

Y Dispenser (Hall), good experience and testimonials, desires part-time post in London. Miss Woodard, 143 Derbyings, Wicklow Street, W.C.1.

Y Dispenser-Book-keeper (Hall); locnm or permanent, whole or part time; experienced; free Jnne 7. "E. B.", Yorkland Road, Highbury.

Y Dispenser (Hall); 3 years' experience, Hospital and Chemist; Doctor, Hospital or Institution preferred, not trial. Apply Day, Brynmore, Richmond Road, Wolverton.

YUM; reliable; booking dates; disengaged May 15 to June 4, July onward; entire charge; abstainer. "Chemicus," Ridgehouses, Sheffield.

CUM; qualified; competent; 55; tall; thin; good references; some vacant dates. "Chemist," 29 Victoria Road North, sea.

CUM; country only; dates free, May 28 to June 7, July 12 to 25. "Chemicus," 165 Brecknock Road, N.19.

CUM; qualified; 35; free Monday; excellent references; town or country; take sole charge. 13 Radcliffe Avenue, Harrow, N.W.

CUM; qualified; 48; active; well recommended; disengaged; abstainer. 74/9, Office of this Paper.

P.S., SCOT; good experience; disengaged; £5 weekly; view to succession considered. 72/18, Office of Paper.

ALIFIED Chemist, experienced Dispenser, requires joint post with wife, Certificated Masseuse, in Hospital or other unit; excellent recommendations. 73/14, Office of this

ALIFIED; fully capable and experienced; accustomed to management throughout; practical and energetic; abstainer; worthy and obliging; permanency or Locum; disengaged. 73/10 Godwin Road, Forest Gate, E.7.

ALIFIED, 35, engaged in mornings, requires part-time work for afternoons and evenings. "Chemicus," 46 Road, Clapham, S.W.

ALIFIED Pharmacist, age 33, with good all-round experience, including Wholesale, Laboratory, Veterinary, Photographic management of Retail Pharmacy; seeks management entry Pharmacy, with living accommodation. "Pharmacist," 58 High Street, Grays, Essex.

ALIFIED; 38; over 4 years manager in London, one firm; Salesmanship, Window-dressing and Photography; disengaged next. "Radox," 42 Halsey Street, Chelsea.

ALIFIED, 3 years, 28, height 5 ft. 6 in., fully experienced, capable, reliable, willing and conscientious worker, seeks permanency. "F. J. W." 27 Lambrook Terrace, Fulham,

ALIFIED; middle-aged; country preferred; Manager or Locum; distance no object; own car; small capital; references 4 years, 2 years. "Chemist," 10 Fernshaw Road, S.W.

ALIFIED, 25, eight years' experience, assistant and manager seeks position abroad. 73/35, Office of this Paper.

ALIFIED; thoroughly experienced and capable Pharmacist; successful business builder; keen Salesman; married; aged; interview London. 74/270, Office of this Paper.

ALIFIED Assistant; tall; energetic and willing; good all-round experience; highest references; abstainer; married. 73/27, Office of this Paper.

FOR, or manage branch; lady; tall; capable; well experienced; Birmingham or near preferred. "Chemist," 12 Shubury Street, West Bromwich.

THEND DISTRICT.—Unqualified seeks part-time engagement; afternoons and evenings only; Dispensing or Photo. preferred; age 30. 73/20, Office of this Paper.

QUALIFIED Assistant; capable; experienced; temporary or permanent; would manage Drug Store; purchase enter; undeniably references. P.C.B. 75/22, Office of this

QUALIFIED Assistant, 47, disengaged, 30 years' first-class all-round experience, quick and accurate Dispenser, Counterman, take charge, seeks engagement. 74/39, Office Paper.

NG, qualified, energetic, desires post in high-class pharmacy to gain further Dispensing experience; Store and experience. State salary and usual particulars. 75/19, Office of this Paper.

WHOLESALE.

HANCE WANTED.—Advertiser, age 26, 10 years' best retail, seeks position as Representative to good Drug, or Specialty House; Yorkshire, Lancashire, Midlands, or, resident, Sheffield; would work hard for good house; good references; disengaged June 1. 71/9, Office of Paper.

ERTISER, age 31, well experienced, keen business ability, desires post as Representative or Buyer. Apply 61/39, of this Paper.

MERCIAL Traveller, with good connection London and North of England, wishes to make a change; only firms standing need apply. "Alkali," 72/16, Office of this

C. "Square" trained, desires change; 9 years' all-round experience; Analytical control or Packed preferred. P.C.B. 73/15, Office of this Paper.

RMACEUTICAL CHEMIST, 23, desires progressive position, Wholesale or Retail; 7 years' experience. F. Hodgson, 116 Gardens, Peterborough.

REPRESENTATIVE, 29, good appearance and address, requires position with Wholesale House; excellent references. P.C.B. 74/28, Office of this Paper.

REPRESENTATIVE; 30; Midlands; previous position, 3 years with leading House; keen; well educated; smart, gentle; many appearance; undeniably references; height, 6 feet; drive any car; Proprietary preferred. "H. L. P." 74/31, Office of this Paper.

MISCELLANEOUS.

McADAM & TUCKNICK, Stock and Share Brokers, Westminster Bank Chambers, Blackheath, S.E.3. Established 1898. Telephone: 81 Lee Green. Shares for Sale, free of commission (subject):—650 Allbourns "A" 6% Pfs., 20s. 7½d.; 210 "C" 6% Pfs., 20s.; 100 G. B. Kent 5½% Pfs., 14s. 4½d.; 150 Dental Mfg., 6s. 10d.; 100 Idris "A" 6% Pfs., 15s. 9d.; 1,200 R. White & Sons 6% Prefd. Ord. 10s. shares, 8s.; 200 Veno Drug 8% Pfs., 20s. 4½d. Wanted (subject):—£2,000 Idris Deb. £61%.

CHEMIST'S Fittings (second-hand), also new.—Ranges of Drug Drawers, Dispensing Screens, Glass-fronted Counters, Wallcases, Centre Cases, and All Glass Counters; Counter Cash Tills from 25s. The "Kwik-Sale" Case, made specially for Chemists' Counters, with slope front and mirror sliding doors at back, 3 ft. long, price £5 10s. D. MATTHEWS & SON, Chemist Fitters, 14 and 16 Manchester Street, Liverpool.

MAHOGANY Wall Cases, 10 ft. and 8 ft. long, 8 ft. 9 in. high; Glass Case Front Counters, 10 ft. and 8 ft. long; Dispensing Screen, 6 ft. long; Silent Salesman, 6 ft. high, 2 ft. x 23 in.; 3 Plate-glass Shelves; 4 ft. Nest Counter Drawers, shop soiled; low prices. GEORGE COOK, Shopfitter, 29 Macclesfield Street, City Road, E.C.1.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.2.

SHOP FITTINGS FOR SALE.—Certain Mahogany Shelves, Glass Show Cases and excellent Dispensing Counter, etc., for Sale at reasonable price. Call and inspect same. WILCOX, JOZEAU & CO., 15 Great St. Andrew Street, W.C.2.

£144. SET of complete mahogany Shop Fittings, 7 ft. hand-made; some Dispensing Screen, 7 ft. Wall Case, 12 ft. Counter with cases in front, plate-glass Counter Case, two nests of Counter Drawers, 12 ft. Drug Fitting, Perfume Case and Desk, all-glass Counter; can easily be adapted. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.1.

DISPENSING Counter and other Chemists' Fittings, also Surplus Stock, owing to amalgamation, for Sale. Full particulars, photographs, and price on application to Matcham, Chemists, Ipswich.

LIMITED Companies formed not only for Chemists and Opticians, but for any trade. Established 1905. Books, seal, etc., are included in quotation. Advice free. A. B. SLACK, 15 Christ Church Avenue, West Didsbury, Manchester.

MANUFACTURING Chemists who are desirous of acquiring the Rights for making Solid Perfumes by a new and very cheap process (a Czechoslovakian invention) are invited to communicate with THE RESEARCH & DEVELOPMENT CO., LTD., 27 Soho Square, London, W.1.

PHARMACEUTICAL SPECIALTIES.—Continental and American Manufacturers please note. We have a first-class organisation covering the whole British Empire for the introduction of Medical Specialities to Doctors and Hospitals; highest references given; Toilet Preparations also entertained; correspondence in leading languages. Write, in confidence, to 64/102, Office of this Paper.

EXCHANGE COLUMN.

FOR DISPOSAL.

WHAT OFFERS?—Microscope, 1-inch object glass, mahogany case. Particulars, Sim, Mental Hospital, Maidstone.

SILKUM, 9 dozen; Vinolia One Drop Perfume, 6 dozen; Formitol Tablets, 1½ dozen; Tabloid Sulphonal, 25's, 12 dozen; overstocked; good condition; offers. Willis, Chemist, Brixham.

WANTED.

GOOD Optical Trial Case wanted. T. C. Miller, 38 High Street, Langham.

PHARMACEUTICAL Books wanted; send priced list. Gower, Bookseller, 41 Voltaire Road, Clapham.

OPTICAL TEST CASE and Ophthalmoscope. Particulars to 64/105, Office of this Paper.

WANTED, for Shop to be opened July, New or Second-hand Fittings; dimensions of shop, 21 ft. x 16 ft. Send full particulars to 74/11, Office of this Paper.

ONE or two swan-neck, cut, stoppered Carboys, total height 26½ in., height to lip 19½ in., diameter 7 in., or nearest. Give full particulars and price to Beatson Clark & Co., Ltd., Rotherham.

PHARMACEUTICAL
COUNCIL ELECTION
1925

Fellow Members,

*Remember YOU can VOTE
on this occasion.*

*CONSIDERATION
will be given if you
GIVE
BEARDSLEY
A VOTE*

Pharmaceutical Council Election, 1925

MAY 9 to 19 inclusive.

PLEASE ! One vote each for

MARNS & SKINNER
*who stand for
DEMOCRATIC CONTROL.*
(See C. & D., May 2, 1925.)

T H A N K Y O U !

ALL DRUG CLERKS AND FOREMEN
should join at once

The NATIONAL DRUG & CHEMICAL UNION
(incorporating the National Association of Chemists' Assistants)
BENEFITS : Trade Protection—Legal Aid—Unemployment
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Write for particulars—ARTHUR J. GILLIAN, Gen. Sec.
149 Newington Causeway, LONDON, S.E.1

C. & D. Stock-Taking Sheets
Halve the Labour of Taking Stock.
Price of Complete Pad, 2/6 post free.

The Chemist & Druggist, 42 Cannon St., London, E.C.4

PHARMACEUTICAL COUNCIL
ELECTION 1925

Dear Sir (or Madam),

In asking the favour of your vote I cannot recommend myself by a long list of public services, as some do, but I do so as one of the oldest members of the Society who for more than half a century has consistently stood for and in practice upheld the best interests and traditions of pharmacy, and the Ph. Society. Also as a practising pharmacist I may claim to understand your difficulties and requirements and, if elected, I hope I may prove not unworthy of your support. I have much in common with the present Forward Educational Policy of the Council.

It is long overdue, but I join hands with many others who think the Council have made a great muddle with some of its details. The altering and making of Bye-Laws during the last few years has caused much unrest and there is a strong feeling of protest against the very Autocratic Government of a democratic Society, which for some time past seems to have been the dominating principle of the Council. This could be largely avoided if councillors retired more frequently instead of seeking re-election.

I consider the D.D. Act to be a greater terror to ourselves than to the evil-doers.

The "Royal Charter" is often blamed for the shortcomings of the Council. If really necessary I would suggest its amendment.

For further information of my views and of myself I would ask you to read my letter in the Trade Journals and also the Autobiography of a "Bell Scholar" appearing in the Pharmaceutical Press.—Yours faithfully,

JOHN INGHAM.

PHARMACEUTICAL COUNCIL
SPRING CLEANING



A STAR BEFORE THE NAME OF
A CANDIDATE ON YOUR VOTING
PAPER MEANS THAT HE HAS BEEN
TRIED AND FOUND WANTING.

BEWARE of the BLACK STAR

DO YOU WANT A DEMOCRATIC
AND PROGRESSIVE COUNCIL TO
UPLIFT THE STATUS OF YOUR
PROFESSION ?

—THEN
VOTE
ONLY FOR THE
NEW CANDIDATES
JOHN INGHAM, PH.C.
JULES COFMAN-NICORESTI

Where Quality & Price Go Hand in Hand

Our policy and aim has always been—*quality first*; then, and then only, *price*.

We have never manufactured down to a price and never shall, but the ever-increasing demand for our products enables us to manufacture economically with the result that our prices are, to say the least, worth knowing.

Now as to our Manufacturing—It is worth putting on record that we apply searching tests for *purity* and *strength* to all our products.

Close attention to these important points, coupled with modern methods in manufacture, ensure the unvarying high standard of our pharmaceutical preparations.

FURTHER, THE DIRECTORATE and MANAGEMENT ARE IN THE HANDS OF QUALIFIED AND WELL-TRAINED MEN THROUGHOUT.

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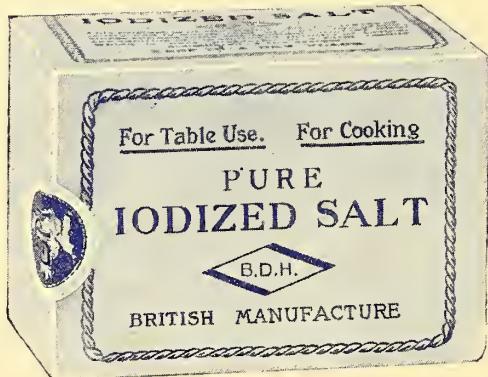
For the Pharmacist — A high-class line at a moderate price.

IODIZED SALT



Recommended by medical authority to counteract the shortage of iodine which exists in modern diet. This deficiency tends to produce under-development of the body, goitre, gout and rheumatic conditions. The regular use of this salt helps to keep the system in a healthy state and gives it tone and vigour.

Iodized Salt, B.D.H., is made from specially refined sodium chloride and is presented in the form of dry granules, which are protected by enclosure in an inner sealed package of waxed paper. The taste is, of course, indistinguishable from that of ordinary table salt.



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Small size (about 4 oz.)	- 2/3 per doz. 26/- per gross
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